



# STIC Search Report

## EIC 1700

STIC Database Tracking Number: 155957

TO: Sharidan Carrillo

Location: *Rim 6021*

Art Unit : 1746

June 9, 2005

Case Serial Number: 09/686773

From: Kathleen Fuller

Location: EIC 1700

REMSEN 4B28

Phone: 571/272-2505

Kathleen.Fuller@uspto.gov

### Search Notes

=> FILE REG

FILE 'REGISTRY' ENTERED AT 11:53:31 ON 09 JUN 2005

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 8 JUN 2005 HIGHEST RN 851931-88-9

DICTIONARY FILE UPDATES: 8 JUN 2005 HIGHEST RN 851931-88-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

\*\*\*\*\*  
\*  
\* The CA roles and document type information have been removed from \*  
\* the IDE default display format and the ED field has been added, \*  
\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> D QUE L14

L6	339	SEA FILE=REGISTRY ABB=ON	C10H22O3/MF
L7	19	SEA FILE=REGISTRY ABB=ON	L6 AND ETHER
L8	12	SEA FILE=REGISTRY ABB=ON	L7 AND OL
L9	6	SEA FILE=REGISTRY ABB=ON	L8 AND BUTYL
L11	2	SEA FILE=REGISTRY ABB=ON	L9 AND ETHOXY(W)ETHOXY
L12	2	SEA FILE=REGISTRY ABB=ON	L9 AND DIMETHYLETHOXY
L13	1	SEA FILE=REGISTRY ABB=ON	L12 AND 2(W)ETHYL
L14	3	SEA FILE=REGISTRY ABB=ON	L9 NOT (L11 OR L13)

*molecular formula  
for selected  
species*

=> D L14 1-3

L14 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2005 ACS on STN

RN 132739-31-2 REGISTRY

ED Entered STN: 22 Mar 1991

CN Propanol, [2-(1,1-dimethylethoxy)methylethoxy]- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Dipropylene glycol mono-tert-butyl ether

CN Dipropylene glycol tert-butyl ether

MF C10 H22 O3

CI IDS

SR CA

LC STN Files: CA, CAPLUS, CHEMCATS, CHEMLIST, DIPPR\*, PROMT, TOXCENTER,

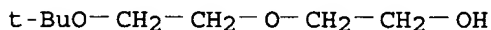
*incompletely defined compound*

USPAT2, USPATFULL

(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)



2 ( D1-Me )

42 REFERENCES IN FILE CA (1907 TO DATE)

42 REFERENCES IN FILE CAPLUS (1907 TO DATE)

*indeped this way  
because it is a propyl  
but uncertain whether  
it is 1 or 2 propyl  
(placement of the CH<sub>3</sub>  
group on the 2  
carbons)*

L14 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2005 ACS on STN

RN 73467-19-3 REGISTRY

ED Entered STN: 16 Nov 1984

CN Propanol, [methyl-2-(2-methylpropoxy)ethoxy]- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Dipropylene glycol monoisobutyl ether

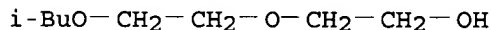
MF C10 H22 O3

CI IDS COM

LC STN Files: CA, CAPLUS, CHEMLIST, TOXCENTER, USPATFULL

Other Sources: EINECS\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)



2 ( D1-Me )

6 REFERENCES IN FILE CA (1907 TO DATE)

6 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L14 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2005 ACS on STN

RN 35884-42-5 REGISTRY

ED Entered STN: 16 Nov 1984

CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN (Butoxypropoxy)propanol

CN Arcosolv DPNB

CN Butyl Dipropasol

CN Dipropylene glycol monobutyl ether

CN Dipropyleneglycol butyl ether

CN Dowanol DPNB

DR 190969-08-5, 196212-24-5, 202990-51-0, 241487-50-3

MF C10 H22 O3

CI IDS COM

LC STN Files: CA, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHM, CSNB, DETHERM\*, IFICDB, IFIPAT, IFIUDB, TOXCENTER, USPAT2, USPATFULL

(\*File contains numerically searchable property data)

Other Sources: EINECS\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

n-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

471 REFERENCES IN FILE CA (1907 TO DATE)  
6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
473 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> FILE HCAPLUS

FILE 'HCAPLUS' ENTERED AT 11:54:43 ON 09 JUN 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

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FILE COVERS 1907 - 9 Jun 2005 VOL 142 ISS 24

FILE LAST UPDATED: 8 Jun 2005 (20050608/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> => D QUE L38

L6	339	SEA FILE=REGISTRY ABB=ON	C10H22O3/MF
L7	19	SEA FILE=REGISTRY ABB=ON	L6 AND ETHER
L8	12	SEA FILE=REGISTRY ABB=ON	L7 AND OL
L9	6	SEA FILE=REGISTRY ABB=ON	L8 AND BUTYL
L11	2	SEA FILE=REGISTRY ABB=ON	L9 AND ETHOXY (W) ETHOXY
L12	2	SEA FILE=REGISTRY ABB=ON	L9 AND DIMETHYLETHOXY
L13	1	SEA FILE=REGISTRY ABB=ON	L12 AND 2 (W) ETHYL
L14	3	SEA FILE=REGISTRY ABB=ON	L9 NOT (L11 OR L13)
L16	503	SEA FILE=HCAPLUS ABB=ON	L14
L19	228	SEA FILE=HCAPLUS ABB=ON	L16 AND (CLEAN? OR TREAT? OR WASH?)
L21	45	SEA FILE=HCAPLUS ABB=ON	L19 AND (FABRIC# OR TEXTILE? OR CARPET? OR WOOL? OR COTTON? OR CLOTH? OR GARMENT? OR UPHOLSTER? OR DRAPES OR CURTAIN#)
L22	1	SEA FILE=REGISTRY ABB=ON	SULFUR HEXAFLUORIDE/CN
L23	15035	SEA FILE=HCAPLUS ABB=ON	L22
L24	1	SEA FILE=REGISTRY ABB=ON	NITROUS OXIDE/CN
L25	25741	SEA FILE=HCAPLUS ABB=ON	L24
L26	1	SEA FILE=REGISTRY ABB=ON	XENON/CN
L27	29884	SEA FILE=HCAPLUS ABB=ON	L26
L28	1	SEA FILE=REGISTRY ABB=ON	CARBON DIOXIDE/CN
L29	188116	SEA FILE=HCAPLUS ABB=ON	L28

45 CA  
references  
with  
utility

L30 0 SEA FILE=HCAPLUS ABB=ON L21 AND (CO2 OR ( L29 OR CARBON  
DIOXIDE/BI) OR ( L27 OR XENON/BI) OR XE OR ( L25 OR NITROUS  
OXIDE/BI) OR ( L23 OR SULFUR HEXAFLUORIDE/BI) )  
L31 0 SEA FILE=HCAPLUS ABB=ON L21 AND SUPERCRIT?  
L32 0 SEA FILE=HCAPLUS ABB=ON L21 AND SUBCRIT?  
L33 0 SEA FILE=HCAPLUS ABB=ON L21 AND CRITI?  
L34 0 SEA FILE=HCAPLUS ABB=ON L21 AND PRESSUR?(3A) (FLUID? OR  
SOLVENT? OR GAS)  
L38 0 SEA FILE=HCAPLUS ABB=ON (L30 OR L31 OR L32 OR L33 OR L34)

*no CA references when CO<sub>2</sub> or supercrit? is added*

=> D QUE L37

L6 339 SEA FILE=REGISTRY ABB=ON C10H22O3/MF  
L7 19 SEA FILE=REGISTRY ABB=ON L6 AND ETHER  
L8 12 SEA FILE=REGISTRY ABB=ON L7 AND OL  
L9 6 SEA FILE=REGISTRY ABB=ON L8 AND BUTYL  
L11 2 SEA FILE=REGISTRY ABB=ON L9 AND ETHOXY(W)ETHOXY  
L12 2 SEA FILE=REGISTRY ABB=ON L9 AND DIMETHYLETHOXY  
L13 1 SEA FILE=REGISTRY ABB=ON L12 AND 2(W)ETHYL  
L14 3 SEA FILE=REGISTRY ABB=ON L9 NOT (L11 OR L13)  
L16 503 SEA FILE=HCAPLUS ABB=ON L14  
L19 228 SEA FILE=HCAPLUS ABB=ON L16 AND (CLEAN? OR TREAT? OR WASH?)  
L21 45 SEA FILE=HCAPLUS ABB=ON L19 AND (FABRIC# OR TEXTILE? OR  
CARPET? OR WOOL? OR COTTON? OR CLOTH? OR GARMENT? OR UPHOLSTER?  
OR DRAPES OR CURTAIN#)  
L36 1 SEA FILE=HCAPLUS ABB=ON L19 AND FURNITURE  
L37 45 SEA FILE=HCAPLUS ABB=ON L21 OR L36

=> => D HIS L39-

(FILE 'HCAPLUS' ENTERED AT 11:54:43 ON 09 JUN 2005)

L39 1 S L19 AND DRYCLEAN?  
L40 45 S L37 OR L39

*The 45 CA references on  
the butyl ethers used  
for clean? etc  
for textiles etc*

=> D L40 BIB ABS IND HITSTR 1-45

L40 ANSWER 1 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN  
AN 2004:995491 HCAPLUS  
DN 141:412773  
TI Biodegradable ether dry cleaning solvent for wool, and  
dyeing and scouring and milling treatment of wool  
IN Hayday, William A.  
PA Rynex Holdings, Inc., Bermuda  
SO U.S. Pat. Appl. Publ., 8 pp., Cont.-in-part of U.S. Ser. No. 20,681.  
CODEN: USXXCO  
DT Patent  
LA English  
FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004226105	A1	20041118	US 2004-752111	20040106
	US 5888250	A	19990330	US 1997-833341	19970404
	WO 9845523	A1	19981015	WO 1998-US6811	19980406
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,				
	DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG,				
	KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,				
	NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,				
	UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,				

FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,  
CM, GA, GN, ML, MR, NE, SN, TD, TG

US 6156074	A	20001205	US 2000-402412	20000112
US 6673120	B2	20040106	US 2001-20681	20011212

PRAI US 1997-833341 A2 19970404  
WO 1998-US6811 W 19980406  
US 2000-402412 A2 20000112  
US 2000-211301P P 20000613  
US 2000-621896 A3 20000720  
US 2001-874136 A1 20010605  
US 2001-20681 A2 20011212

AB Compns. for dry-cleaning garments contain dipropylene glycol tertiary-Bu ether (DPTB), H2O, and ≥1 other solvent selected from cyclic siloxanes and glycol ethers other than DPTB suitable for use as dry-cleaning solvents, where the H2O amount is .ltorsim.10%.

IC ICM D06F001-00  
INCL 008142000  
CC 46-5 (Surface Active Agents and Detergents)  
ST dipropylene glycol butyl ether dry cleaning solvent  
IT Clothing  
Dry cleaning  
Dry cleaning solvents  
(biodegradable ether garment dry cleaning solvent)

IT Textiles  
(cotton; scouring of wool by dipropylene glycol tert-Bu ether dry cleaning solvent)

IT Acetate fibers, uses  
Cyclosiloxanes  
RL: TEM (Technical or engineered material use); USES (Uses)  
(scouring of wool by dipropylene glycol tert-Bu ether dry cleaning solvent)

IT Textiles  
(wool; scouring of wool by dipropylene glycol tert-Bu ether dry cleaning solvent)

IT 132739-31-2, Dipropylene glycol mono-tert-butyl ether  
RL: TEM (Technical or engineered material use); USES (Uses)  
(biodegradable ether garment dry cleaning solvent)

IT 35884-42-5  
RL: TEM (Technical or engineered material use); USES (Uses)  
(scouring of wool by dipropylene glycol tert-Bu ether dry cleaning solvent)

IT 132739-31-2, Dipropylene glycol mono-tert-butyl ether  
RL: TEM (Technical or engineered material use); USES (Uses)  
(biodegradable ether garment dry cleaning solvent)

RN 132739-31-2 HCAPLUS  
CN Propanol, [2-(1,1-dimethylethoxy)methylethoxy]- (9CI) (CA INDEX NAME)

t-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

IT 35884-42-5  
RL: TEM (Technical or engineered material use); USES (Uses)  
(scouring of wool by dipropylene glycol tert-Bu ether dry cleaning solvent)

RN 35884-42-5 HCAPLUS

CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)

n-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

L40 ANSWER 2 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2004:934142 HCAPLUS

DN 141:400996

TI Disinfecting, antimicrobial sealing compositions and methods of using the same on construction materials

IN Batdorf, Vernon H.

PA Specialty Construction Brands, Inc., USA

SO U.S. Pat. Appl. Publ., 9 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004219128	A1	20041104	US 2003-427693	20030430
	US 6897191	B2	20050524		
	WO 2004098658	A1	20041118	WO 2004-US12974	20040428
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRAI US 2003-427693 A 20030430

AB The present invention relates to novel compns. for disinfecting and sealing a substrate, while also providing the surface with long-term fungicidal protection. Due to this unique and advantageous combination of capabilities, the composition finds particular utility in the construction industry, where it may advantageously be employed to **treat** a wide variety of construction articles. For example, an antimicrobial composition for wood and drywall paper contained Natrasol 250 HHR (a cellulosic thickener) 0.20, Igepal CO-710 (nonionic surfactant) 0.10, Surfynol 104H (nonionic surfactant) 0.07, dipropylene glycol Bu ether (wetting agent) 2.00, Amical Flowable (diiodomethyl p-tolyl sulfone antimicrobial) 1.20, zinc 2-pyridinethiol-1-oxide (antimicrobial) 0.10, Bardac 205M (disinfectant) 0.17, Vinyl acetate-ethylene emulsion polymer 27.00%.

IC ICM A61K031-74

INCL 424078270

CC 63-7 (Pharmaceuticals)

Section cross-reference(s): 58

ST disinfectant antimicrobial sealing compn construction material; wood wallpaper antimicrobial Igepal CO710 Amical Flowable, zinc pyridinethioloxide

IT Spraying

- (application of disinfectants and antimicrobials on construction materials for long-term anti-microorganism-growth)
- IT Tiles
  - (ceiling; sealing compns. containing disinfectants and antimicrobials and film-forming polymers for long-term anti-microorganism-growth of construction materials)
- IT Walls (construction)
  - (coverings; sealing compns. containing disinfectants and antimicrobials and film-forming polymers for long-term anti-microorganism-growth of construction materials)
- IT Coating process
  - (dip; application of disinfectants and antimicrobials on construction materials for long-term anti-microorganism-growth)
- IT Windows
  - (frames; sealing compns. containing disinfectants and antimicrobials and film-forming polymers for long-term anti-microorganism-growth of construction materials)
- IT Coating materials
  - (fungicidal; sealing compns. containing disinfectants and antimicrobials and film-forming polymers for long-term anti-microorganism-growth of construction materials)
- IT Coating process
  - (painting; application of disinfectants and antimicrobials on construction materials for long-term anti-microorganism-growth)
- IT Pipes and Tubes
  - (plumbing; sealing compns. containing disinfectants and antimicrobials and film-forming polymers for long-term anti-microorganism-growth of construction materials)
- IT Wood boards
  - (plywood; sealing compns. containing disinfectants and antimicrobials and film-forming polymers for long-term anti-microorganism-growth of construction materials)
- IT Tiles
  - (roofing; sealing compns. containing disinfectants and antimicrobials and film-forming polymers for long-term anti-microorganism-growth of construction materials)
- IT Carpets
- Concrete
- Construction materials
- Felts
- Grout
- Plaster
- Shingles (roofing)
- Thermal insulators
- Tiles
- Windows
- Wood
  - (sealing compns. containing disinfectants and antimicrobials and film-forming polymers for long-term anti-microorganism-growth of construction materials)
- IT Clays, uses
  - RL: TEM (Technical or engineered material use); USES (Uses)
  - (sealing compns. containing disinfectants and antimicrobials and film-forming polymers for long-term anti-microorganism-growth of construction materials)
- IT Quaternary ammonium compounds, biological studies
  - RL: TEM (Technical or engineered material use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
  - (sealing compns. containing disinfectants and antimicrobials and film-forming polymers for long-term anti-microorganism-growth of construction materials)



- construction materials)
- IT Ceilings  
Roofing  
(tiles; sealing compns. containing disinfectants and antimicrobials and film-forming polymers for long-term anti-microorganism-growth of construction materials)
- IT Paper  
(wallpaper; sealing compns. containing disinfectants and antimicrobials and film-forming polymers for long-term anti-microorganism-growth of construction materials)
- IT 57-55-6, Propylene glycol, biological studies 126-86-3, Surfynol 104H 133-07-3, N-Trichloromethyl thiophthalimide 137-30-4, Zinc dimethyl dithiocarbamate 148-79-8, 2-4-Thiazolyl benzimidazole 155-04-4, Zinc 2-mercaptobenzothiazole 463-77-4D, Carbamic acid, alkyl derivs., iodoalkynyl esters 1330-43-4, Sodium borate 1332-07-6, Zinc borate 1897-45-6, Tetrachloroisophthalonitrile 2492-26-4, Sodium 2-mercaptobenzothiazole 3380-34-5, Irgaguard B 1000 3811-73-2, Sodium 2-pyridinethiol-1-oxide 12040-58-3, Calcium borate 13463-41-7, Zinc 2-pyridinethiol-1-oxide 13701-59-2, Barium metaborate 20018-09-1, Amical Flowable 24937-78-8, Vinyl acetate-ethylene copolymer 35884-42-5, Dipropylene glycol butyl ether 51026-28-9, Potassium n-hydroxymethyl-n-methyl dithiocarbamate 55406-53-6, IPBC 40 59720-42-2 64359-81-5, 4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one 105436-81-5, Bardac 205M 288573-96-6, WD 4047 442523-55-9, Rozone 2000 749226-65-1, Witcobond A 100 787634-52-0, Witcobond W 245 787634-55-3, Witcobond W 281 787634-56-4, Bayhydral PR 240 787634-57-5, Bayhydral PR 435  
RL: TEM (Technical or engineered material use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(sealing compns. containing disinfectants and antimicrobials and film-forming polymers for long-term anti-microorganism-growth of construction materials)
- IT 9004-62-0, Natrosol 250 HHR 9016-45-9, Igepal CO-710  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(sealing compns. containing disinfectants and antimicrobials and film-forming polymers for long-term anti-microorganism-growth of construction materials)
- IT 35884-42-5, Dipropylene glycol butyl ether  
RL: TEM (Technical or engineered material use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(sealing compns. containing disinfectants and antimicrobials and film-forming polymers for long-term anti-microorganism-growth of construction materials)
- RN 35884-42-5 HCAPLUS  
CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)

n-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

L40 ANSWER 3 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2003:971704 HCAPLUS

DN 140:28777

TI **Cleaning** compositions containing dichloroethylene and alkoxy substituted perfluoro compounds having six carbon atoms

KATHLEEN FULLER EIC 1700 REMSON 4B28 571/272-2505

IN Doyel, Kyle; Bixenman, Michael  
 PA Kyzen Corporation, USA  
 SO U.S. Pat. Appl. Publ., 15 pp.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003228997	A1	20031211	US 2002-164308	20020607
	US 6699829	B2	20040302		
	CA 2474669	AA	20031218	CA 2003-2474669	20030609
	WO 2003104365	A2	20031218	WO 2003-US18089	20030609
	WO 2003104365	A3	20040415		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1511833 A2 20050309 EP 2003-757433 20030609

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

US 2004224870 A1 20041111 US 2003-694747 20031029

PRAI US 2002-164308 A 20020607

WO 2003-US18089 W 20030609

OS MARPAT 140:28777

AB A **cleaning** composition comprises dichloroethylene and one or more alkoxy-substituted perfluoro compds. that contain six carbon atoms and have the general formula R1-O-R2, where R1 is perfluorobutyl and R2 is Et, or R1 is perfluoropentyl and R2 is Me, and an additive selected from (a) a highly fluorinated compound of the formula CaFbHcXd, where a is from 2 to 8, b is > a but < (2a+2), d is 0,1, or 2, c is ≤ (2a+2-b-d), and X is O, N, halogen, or Si, (b) an enhancement agent selected from alcs., esters, ethers, cyclic ethers, ketones, alkanes, aroms., amines, siloxanes, terpenes, dibasic esters, glycol ethers, pyrrolidones, low or non-ozone depleting halogenated hydrocarbons, and (c) mixts. of (a) and (b). The highly fluorinated compds. retard flammability of the **cleaning** composition, and the enhancement agents improve the **cleaning** or solvating properties. The **cleaning** compns. are useful in a variety of solvating, vapor degreasing, photoresist stripping, adhesive removal, aerosol, cold **cleaning**, and solvent **cleaning** applications, including defluxing, dry-cleaning, degreasing, particle removal, metal and **textile cleaning**. Thus, a nonflammable **cleaning** composition comprising 1,2-trans-dichloroethylene (71), Et perfluorobutyl ether (HFE 7200) (28.5), and n-propanol (0.5%) was produced, the composition forming an azeotrope with b.p. of 47° at 1 atmospheric

IC ICM C11D001-00

INCL 510410000; 510177000; 510408000; 510415000

CC 46-6 (Surface Active Agents and Detergents)

ST dichloroethylene alkoxy substituted perfluoro compd **cleaning** compn

IT Azeotropes

(**cleaning** compns. containing dichloroethylene and alkoxy substituted perfluoro compds. having six carbon atoms)

IT Alcohols, uses  
 Alkanes, uses  
 Amines, uses  
 Aromatic compounds  
 Esters, uses  
 Ethers, uses  
 Ketones, uses  
 Siloxanes (nonpolymeric)  
 Terpenes, uses  
 Turpentine  
 RL: MOA (Modifier or additive use); USES (Uses)  
 (cleaning compns. containing dichloroethylene and alkoxy substituted perfluoro compds. having six carbon atoms)

IT Glass, miscellaneous  
 RL: MSC (Miscellaneous)  
 (cleaning compns. for glass surfaces; cleaning compns. containing dichloroethylene and alkoxy substituted perfluoro compds. having six carbon atoms)

IT Metals, miscellaneous  
 RL: MSC (Miscellaneous)  
 (cleaning compns. for metal surfaces; cleaning compns. containing dichloroethylene and alkoxy substituted perfluoro compds. having six carbon atoms)

IT Plastics, uses  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (cleaning compns. for plastic surfaces; cleaning compns. containing dichloroethylene and alkoxy substituted perfluoro compds. having six carbon atoms)

IT Adhesives  
 Fluxes  
 Inks  
 Lubricating greases  
 Photoresists  
 Polishing materials  
 (cleaning compns. for removal of; cleaning compns. containing dichloroethylene and alkoxy substituted perfluoro compds. having six carbon atoms)

IT Oils  
 Polymers, processes  
 Resins  
 Rosin  
 Waxes  
 RL: REM (Removal or disposal); PROC (Process)  
 (cleaning compns. for removal of; cleaning compns. containing dichloroethylene and alkoxy substituted perfluoro compds. having six carbon atoms)

IT Electric apparatus  
 Lenses  
 Microelectronic devices  
 Optical instruments  
 Printed circuit boards  
 Textiles  
 (cleaning compns. for; cleaning compns. containing dichloroethylene and alkoxy substituted perfluoro compds. having six carbon atoms)

IT Detergents  
 (cleaning compns.; cleaning compns. containing dichloroethylene and alkoxy substituted perfluoro compds. having six carbon atoms)

IT Ethers, uses

- RL: MOA (Modifier or additive use); USES (Uses)  
(cyclic; **cleaning** compns. containing dichloroethylene and alkoxy substituted perfluoro compds. having six carbon atoms)
- IT Esters, uses  
RL: MOA (Modifier or additive use); USES (Uses)  
(diesters; **cleaning** compns. containing dichloroethylene and alkoxy substituted perfluoro compds. having six carbon atoms)
- IT Glycols, uses  
RL: MOA (Modifier or additive use); USES (Uses)  
(ethers; **cleaning** compns. containing dichloroethylene and alkoxy substituted perfluoro compds. having six carbon atoms)
- IT Hydrocarbons, uses  
RL: MOA (Modifier or additive use); USES (Uses)  
(fluoro; **cleaning** compns. containing dichloroethylene and alkoxy substituted perfluoro compds. having six carbon atoms)
- IT Ethers, uses  
RL: MOA (Modifier or additive use); USES (Uses)  
(glycol; **cleaning** compns. containing dichloroethylene and alkoxy substituted perfluoro compds. having six carbon atoms)
- IT Hydrocarbons, uses  
RL: MOA (Modifier or additive use); USES (Uses)  
(halo; **cleaning** compns. containing dichloroethylene and alkoxy substituted perfluoro compds. having six carbon atoms)
- IT Semiconductor materials  
(silicon wafers, **cleaning** compns. for; **cleaning** compns. containing dichloroethylene and alkoxy substituted perfluoro compds. having six carbon atoms)
- IT Fatty acids, uses  
RL: MOA (Modifier or additive use); USES (Uses)  
(soya, Me esters; **cleaning** compns. containing dichloroethylene and alkoxy substituted perfluoro compds. having six carbon atoms)
- IT 57-55-6, Propylene glycol, uses 60-29-7, Diethyl ether, uses 64-17-5, Ethanol, uses 67-56-1, Methanol, uses 67-63-0, Isopropanol, uses 67-64-1, Acetone, uses 71-23-8, n-Propanol, uses 71-36-3, Butyl alcohol, uses 71-41-0, 1-Pentanol, uses 71-43-2, Benzene, uses 74-84-0, Ethane, uses 74-87-3, Methyl chloride, uses 74-89-5, Methylamine, uses 74-98-6, Propane, uses 75-00-3, Ethyl chloride 75-04-7, Ethylamine, uses 75-09-2, Methylene chloride, uses 75-21-8, Ethylene oxide, uses 75-28-5, 2-Methylpropane 75-29-6, Isopropyl chloride 75-31-0, Isopropylamine, uses 75-50-3, Trimethylamine, uses 75-56-9, Propylene oxide, uses 75-64-9, tert-Butylamine, uses 75-65-0, tert-Butyl alcohol, uses 75-89-8 76-16-4, Perfluoroethane 76-19-7, Perfluoropropane 78-78-4, Isopentane 78-81-9, Isobutylamine 78-86-4, sec-Butyl chloride 78-92-2, 2-Butanol 78-93-3, Methyl ethyl ketone, uses 79-20-9, Methyl acetate 95-63-6, Pseudocumene 96-22-0, 3-Pentanone 96-41-3, Cyclopentanol 97-99-4, Tetrahydrofurfuryl alcohol 98-00-0, Furfuryl alcohol 98-08-8, Benzotrifluoride 98-82-8, Cumene 100-41-4, Ethylbenzene, uses 100-51-6, Benzyl alcohol, uses 100-66-3, Anisole, uses 102-69-2, Tri-n-propylamine 102-71-6, Triethanolamine, uses 104-51-8, Butylbenzene 104-76-7, 2-Ethylhexanol 105-37-3, Ethyl propionate 105-54-4, Ethyl butyrate 105-66-8, Propyl butyrate 106-36-5, Propyl propionate 106-65-0, Dimethyl succinate 106-94-5, Propyl bromide 106-97-8, Butane, uses 107-10-8, n-Propylamine, uses 107-18-6, Allyl alcohol, uses 107-21-1, Ethylene glycol, uses 107-31-3, Methyl formate 107-46-0, Hexamethyl disiloxane 107-51-7, Octamethyl trisiloxane 107-83-5, Isohexane 107-87-9, 2-Pentanone 108-10-1, Methyl isobutyl ketone 108-18-9, Diisopropylamine 108-20-3, Isopropyl ether 108-59-8, Dimethyl malonate 108-67-8, Mesitylene, uses 108-88-3, Toluene, uses 108-93-0, Cyclohexanol, uses 108-95-2, Phenol, uses 109-21-7, Butyl butyrate 109-60-4, Propyl acetate 109-66-0,

Pentane, uses 109-69-3, Butyl chloride 109-73-9, n-Butylamine, uses 109-86-4, Ethylene glycol methyl ether 109-87-5, Methylal 109-89-7, Diethylamine, uses 109-93-3, Vinyl ether 109-94-4, Ethyl formate 109-99-9, THF, uses 110-27-0, Isopropyl myristate 110-36-1, Butyl myristate 110-54-3, Hexane, uses 110-74-7, Propyl formate 110-80-5, Ethylene glycol ethyl ether 110-82-7, Cyclohexane, uses 111-27-3, 1-Hexanol, uses 111-42-2, Diethanolamine, uses 111-43-3, Propyl ether 111-65-9, Octane, uses 111-76-2, Ethylene glycol butyl ether 111-77-3, Diethylene glycol methyl ether 111-84-2, Nonane 111-87-5, 1-Octanol, uses 111-90-0, Diethylene glycol ethyl ether 112-30-1, 1-Decanol 112-34-5, Diethylene glycol butyl ether 112-53-8, 1-Dodecanol 115-10-6, Methyl ether 121-44-8, Triethylamine, uses 123-25-1, Diethyl succinate 123-86-4, Butyl acetate 123-91-1, 1,4-Dioxane, uses 124-18-5, Decane 124-40-3, Dimethylamine, uses 124-68-5 138-86-3, Dipentene 141-28-6, Diethyl adipate 141-43-5, Ethanolamine, uses 141-62-8, Decamethyl tetrasiloxane 141-78-6, Ethyl acetate, uses 142-68-7, Tetrahydropyran 142-82-5, Heptane, uses 142-84-7, Di-n-propylamine 142-96-1, Butyl ether 287-92-3, Cyclopentane 354-33-6, Pentafluorobutane 355-25-9, Perfluorobutane 355-42-0, Perfluorohexane 377-36-6, 1,1,2,2,3,3,4,4-Octafluorobutane 460-35-5, 3-Chloro-1,1,1 trifluoropropane 462-95-3, Ethylal 507-20-0, tert-Butyl chloride 513-36-0, Isobutyl chloride 526-73-8, Hemimellitene 540-54-5, Propyl chloride 543-59-9, Pentyl chloride 544-01-4, Isoamyl oxide 544-10-5, Hexyl chloride 553-90-2, Dimethyl oxalate 554-12-1, Methyl propionate 557-40-4, Allyl ether 584-02-1, 3-Pentanol 589-38-8, 3-Hexanone 590-01-2, Butyl propionate 591-78-6, 2-Hexanone 592-84-7, Butyl formate 616-45-5, Pyrrolidone 623-37-0, 3-Hexanol 623-42-7, Methyl butyrate 626-93-7, 2-Hexanol 627-73-6, Ethyl methyl succinate 627-93-0, Dimethyl adipate 637-92-3 646-06-0, 1,3-Dioxolane 678-26-2, Perfluoropentane 693-65-2 828-35-3, 1,1,2,2,3,3,4,5-Octafluorocyclopentane 872-50-4, N-Methylpyrrolidone, uses 1119-40-0, Dimethyl glutarate 1300-21-6, Dichloroethane 1320-67-8, Propylene glycol methyl ether 1320-94-1 1330-16-1, Pinene 1330-20-7, Xylene, uses 1634-04-4, Methyl tert-butyl ether 1678-91-7, Ethylcyclohexane 2687-91-4, N-Ethylpyrrolidone 2807-30-9, Ethylene glycol propyl ether 3424-21-3, Triisopropylamine 3445-11-2 3470-99-3, N-Propylpyrrolidone 4838-65-7 5989-27-5, D-Limonene 6032-29-7, 2-Pentanol 6881-94-3 7803-49-8, Hydroxylamine, uses 8006-39-1, Terpinol 13952-84-6, sec-Butylamine 14303-70-9, Propyl myristate 15438-71-8, 1-Hydroxymethyl-2-pyrrolidinone 18891-13-9, Ethyl methyl adipate 19430-93-4 25265-68-3, Methyltetrahydrofuran 25265-71-8, Dipropylene glycol 25265-75-2, Butylene glycol 26249-20-7, Butylene oxide 26447-60-9, Octafluorobutane 26638-19-7 27070-61-7, Hexafluoropropane 27195-67-1, Dimethylcyclohexane 28987-04-4 29387-86-8, Propylene glycol butyl ether 29470-95-9 29759-38-4, Tetrafluoroethane 29911-27-1, Dipropylene glycol propyl ether 30136-13-1, Propylene glycol propyl ether 30320-28-6 30423-63-3 30521-24-5 33660-75-2, Heptafluoropropane 34077-87-7, Dichlorotrifluoroethane 34590-94-8, Dipropylene glycol methyl ether 35884-42-5, Dipropylene glycol butyl ether 37145-47-4, Pentafluoropropane 38436-17-8, Nonafluorohexane 38719-68-5, Dimethylbutane 43133-95-5, Methylpentane 51000-94-3 51001-25-3, Methyltetrahydropyran 55949-54-7, Nonafluorobutane 61623-04-9 72923-37-6 74469-62-8, Hexafluorobutane 76083-84-6 86498-66-0, Dodecafluorohexane 90278-00-5 90278-01-6 102526-10-3, 1,1,1,3,3,5,5,5-Octafluoropentane 108662-83-5 116866-99-0, Heptafluorobutane 127564-83-4 127564-91-4 127564-92-5, Dichloropentafluoropropane 133452-70-7, Tridecafluorohexane 134190-50-4 134237-36-8 138495-42-8, HFC 43-10MEE 139063-93-7 148565-53-1 154275-17-9, Undecafluorohexane 154275-19-1,

Octafluorohexane 154275-56-6 155072-58-5, Decafluorohexane  
 163702-07-6, 1,1,1,2,2,3,3,4,4-Nonafluoro-4-methoxybutane 186493-81-2  
 186493-83-4 219484-64-7, HFE 7100 519154-84-8

RL: MOA (Modifier or additive use); USES (Uses)

(cleaning compns. containing dichloroethylene and alkoxy  
 substituted perfluoro compds. having six carbon atoms)

IT 75-35-4, 1,1-Dichloroethylene, uses 156-59-2, 1,2-cis-Dichloroethylene  
 156-60-5, 1,2-trans-Dichloroethylene 25323-30-2, Dichloroethylene  
 163702-05-4, Novec HFE 7200 631897-30-8 631897-31-9

RL: TEM (Technical or engineered material use); USES (Uses)

(cleaning compns. containing dichloroethylene and alkoxy  
 substituted perfluoro compds. having six carbon atoms)

IT 35884-42-5, Dipropylene glycol butyl ether

RL: MOA (Modifier or additive use); USES (Uses)

(cleaning compns. containing dichloroethylene and alkoxy  
 substituted perfluoro compds. having six carbon atoms)

RN 35884-42-5 HCAPLUS

CN Propanol, 1(or 2)-(2-butoxymethylethoxy) - (9CI) (CA INDEX NAME)

n-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

L40 ANSWER 4 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2003:868082 HCAPLUS

DN 139:334320

TI Spot-on preparations of cycloprothrin for ectoparasite control

IN Tanabe, Tomotsugu

PA Nippon Kayaku Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003313104	A2	20031106	JP 2002-118860	20020422
PRAI	JP 2002-118860		20020422		

AB The preps., which are applied to pets such as cats and dogs, domestic animal such as cattle, pig, chicken, etc., comprise solvents and cycloprothrin (I) and optionally surfactants. The preps. have less acute toxicity and skin-irritating action and show parasitocidal action in. A spot-on preparation containing I 10, diethylene glycol monoethyl ether 75, and

EtOH

15 parts was applied to skin of cats previously inoculated with cat flea. Fleas were completely controlled after 7 days without any adverse reaction, while cats treated with a permethrin preparation were dying after 3 days because of oral toxicity.

IC ICM A01N053-08

ICS A01N025-02; A61K009-08; A61K031-277; A61K047-08; A61K047-10;  
 A61K047-20; A61K047-44; A61P033-14

CC 5-4 (Agrochemical Bioregulators)

ST topical cycloprothrin prepn animal ectoparasite control org solvent;  
 diethylene glycol monomethyl ether cycloprothrin topical ectoparasiticide animal

- IT Parasiticides  
(ecto-; low-toxicity ectoparasiticial spot-on prepns. containing cycloprothrin and organic solvents for animal)
- IT Animal  
Pesticide formulations  
Surfactants  
(low-toxicity ectoparasiticial spot-on prepns. containing cycloprothrin and organic solvents for animal)
- IT Castor oil  
Coconut oil  
Cottonseed oil  
Kerosene  
Linseed oil  
Olive oil  
Palm oil  
Rape oil  
Soybean oil  
Tung oil  
RL: AGR (Agricultural use); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(low-toxicity ectoparasiticial spot-on prepns. containing cycloprothrin and organic solvents for animal)
- IT Solvents  
(organic; low-toxicity ectoparasiticial spot-on prepns. containing cycloprothrin and organic solvents for animal)
- IT Fats and Glyceridic oils, biological studies  
RL: AGR (Agricultural use); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(rice bran; low-toxicity ectoparasiticial spot-on prepns. containing cycloprothrin and organic solvents for animal)
- IT Essential oils  
RL: AGR (Agricultural use); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(satsuma; low-toxicity ectoparasiticial spot-on prepns. containing cycloprothrin and organic solvents for animal)
- IT Fats and Glyceridic oils, biological studies  
RL: AGR (Agricultural use); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(vegetable; low-toxicity ectoparasiticial spot-on prepns. containing cycloprothrin and organic solvents for animal)
- IT 63935-38-6, Cycloprothrin  
RL: AGR (Agricultural use); BSU (Biological study, unclassified); NUU (Other use, unclassified); BIOL (Biological study); USES (Uses)  
(low-toxicity ectoparasiticial spot-on prepns. containing cycloprothrin and organic solvents for animal)
- IT 57-55-6, Propylene glycol, biological studies 64-17-5, Ethanol, biological studies 67-63-0, Isopropanol, biological studies 67-68-5, Dimethyl sulfoxide, biological studies 110-80-5, Ethylene glycol monoethyl ether 111-77-3, Diethylene glycol monomethyl ether 111-90-0, Diethylene glycol monoethyl ether 616-42-2, Dimethoxy sulfoxide 35884-42-5, Dipropylene glycol monobutyl ether 141092-98-0, Newkalgen 900  
RL: AGR (Agricultural use); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(low-toxicity ectoparasiticial spot-on prepns. containing cycloprothrin and organic solvents for animal)
- IT 5989-27-5  
RL: AGR (Agricultural use); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(solvent; low-toxicity ectoparasiticial spot-on prepns. containing

cycloprothrin and organic solvents for animal)  
 IT 35884-42-5, Dipropylene glycol monobutyl ether  
 RL: AGR (Agricultural use); BUU (Biological use, unclassified); BIOL  
 (Biological study); USES (Uses)  
 (low-toxicity ectoparasiticide spot-on prepns. containing cycloprothrin  
 and organic solvents for animal)  
 RN 35884-42-5 HCAPLUS  
 CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)

n-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

L40 ANSWER 5 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2003:563060 HCAPLUS  
 DN 139:122747  
 TI Antibacterial **cleaning** wipe  
 IN Mahieu, Marianne; Zocchi, Germaine; Cartiaux, Yasmine  
 PA Colgate-Palmolive Company, USA  
 SO U.S., 6 pp., Cont.-in-part of U.S. 6,475,976.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN,CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	US 6596681	B1	20030722	US 2002-277962	20021022	
	US 6475976	B1	20021105	US 2002-81279	20020222	
	WO 2003072696	A1	20030904	WO 2003-US5321	20030220	
	W:			AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW		
	RW:			GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG		
	EP 1483363	A1	20041208	EP 2003-709247	20030220	
	R:			AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK		
PRAI	US 2002-81279	A2	20020222			
	US 2002-277962	A	20021022			
	WO 2003-US5321	W	20030220			

AB An antibacterial **cleaning** wipe comprises a nonwoven fabric wherein the nonwoven fabric is impregnated with a **cleaning** composition that provides a lasting antibacterial protection of hard surfaces. Thus, a composition contained dipropylene glycol Bu ether 1.5, EtOH 3, sodium lauryl sulfate 0.21, polyhexamethylene biguanide-HCl 0.09, perfume 0.05, lactic acid 0.75, propylene glycol monobutyl ether 1.5, Solubilisant LRI 0.1, and water qs to 100%.

IC ICM C11D017-00

INCL 510438000; 510475000; 510499000; 510426000; 510505000; 510506000;  
 428288000; 428289000; 206812000; 015209100



CC 63-6 (Pharmaceuticals)  
 Section cross-reference(s): 62

ST antibacterial **cleaning** wipe glycol ether

IT Alcohols, biological studies  
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);  
 USES (Uses)  
 (C1-4; antibacterial **cleaning** wipe)

IT Surfactants  
 (anionic; antibacterial **cleaning** wipe)

IT Antibacterial agents  
**Cleaning**  
 Emulsifying agents  
 Nonwoven **fabrics**  
 Odor and Odorous substances  
 Perfumes  
 Surfactants  
 (antibacterial **cleaning** wipe)

IT Essential oils  
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);  
 USES (Uses)  
 (antibacterial **cleaning** wipe)

IT Polyelectrolytes  
 (cationic; antibacterial **cleaning** wipe)

IT Glycols, biological studies  
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);  
 USES (Uses)  
 (ethers, with fatty alcs.; antibacterial **cleaning** wipe)

IT Castor oil  
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);  
 USES (Uses)  
 (ethoxylated; antibacterial **cleaning** wipe)

IT Ethers, biological studies  
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);  
 USES (Uses)  
 (glycol, with fatty alcs.; antibacterial **cleaning** wipe)

IT Castor oil  
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);  
 USES (Uses)  
 (hydrogenated, ethoxylated; antibacterial **cleaning** wipe)

IT Sulfonic acids, biological studies  
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);  
 USES (Uses)  
 (salts; antibacterial **cleaning** wipe)

IT Medical goods  
 (wipes; antibacterial **cleaning** wipe)

IT 64-17-5, Ethanol, biological studies 67-63-0, Isopropanol, biological  
 studies 151-21-3, Sodium lauryl sulfate, biological studies 9003-13-8,  
 Polypropylene glycol butyl ether 29387-86-8, Propylene glycol monobutyl  
 ether 32289-58-0, Poly(hexamethylene biguanide) hydrochloride  
 35884-42-5 175069-50-8, Solubilisant LRI  
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);  
 USES (Uses)  
 (antibacterial **cleaning** wipe)

IT 35884-42-5  
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);  
 USES (Uses)  
 (antibacterial **cleaning** wipe)

RN 35884-42-5 HCAPLUS

CN Propanol, 1(or 2)-(2-butoxymethylethoxy) - (9CI) (CA INDEX NAME)

n-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 6 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2003:485712 HCAPLUS

DN 139:54621

TI Aqueous organic dispersions suitable for removing organic films and soils, concentrates, and forming a **cleaner** composition

IN Wiseth, Wendy M.; Smith, Kim R.; Man, Victor F.; De Fields, Scott I.; Rabon, Reid; Levitt, Mark D.

PA Ecolab Inc., USA

SO U.S., 10 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6583101	B1	20030624	US 1999-383000	19990825
	US 2003207782	A1	20031106	US 2003-435338	20030509
PRAI	US 1999-383000	A1	19990825		

OS MARPAT 139:54621

AB Hard floor finishes and other stubborn soils can be removed using an aqueous dispersion of 1-75% alkylene glycol Ph ether solvent combined with 1-75% ether alc. solvent/coupler. Each component is used at a concentration that result in the creation of a visible dispersed appearance of the aqueous dilute solns. The alkylene glycol Ph ether, in combination with ≥1 ether alc. coupler or solvent, interacts with the aqueous medium to surprisingly provide enhanced **cleaning** performance. Hard to remove soils such as highly crosslinked urethanes and acrylic materials can be solubilized and removed by the alc. solvent dispersions. The alkylene glycol Ph ether solvent requires a specific coupler cosolvent for high activity. Such activity can be enhanced by the presence of a second coupler cosolvent, water, and a nonionic surfactant. A base concentrate contained 30 parts propylene glycol Ph ether, 30 parts ethylene glycol Bu ether, 30 parts dipropylene glycol Bu ether, and 10 parts C12-14 alc. ethoxylate surfactant.

IC ICM C11D003-44

INCL 510407000; 510408000; 510365000; 510417000; 510418000; 134038000

CC 46-6 (Surface Active Agents and Detergents)

Section cross-reference(s): 42

ST alkylene glycol phenyl ether solvent **cleaner**; butyl ether dipropylene glycol coupler solvent **cleaner**; ethylene glycol butyl ether coupler solvent **cleaner**

IT **Cleaning solvents**

Coating removers

Floors

Nonwoven fabrics

**Textiles**

(concs. and dilute aqueous dispersions containing alkylene glycol Ph ether/ether

alc. coupler cosolvent for removing organic films and soils from surfaces)

IT Alcohols, uses  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (ethoxylated, C12-14; concs. and dilute aqueous dispersions containing  
 alkylene glycol Ph ether/ether alc. coupler cosolvent for removing organic films  
 and soils from surfaces)

IT Fluoropolymers, miscellaneous  
 RL: MSC (Miscellaneous)  
 (fabrics; concs. and dilute aqueous dispersions containing alkylene  
 glycol Ph ether/ether alc. coupler cosolvent for removing organic films  
 and soils from surfaces)

IT Acrylic polymers, processes  
 Polyurethanes, processes  
 RL: REM (Removal or disposal); PROC (Process)  
 (finish; concs. and dilute aqueous dispersions containing alkylene glycol Ph  
 ether/ether alc. coupler cosolvent for removing organic films and soils  
 from surfaces)

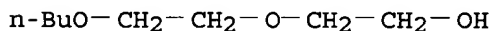
IT Surfactants  
 (nonionic; concs. and dilute aqueous dispersions containing alkylene glycol  
 Ph ether/ether alc. coupler cosolvent for removing organic films and soils  
 from surfaces)

IT 111-76-2, Ethylene glycol n-butyl ether 122-99-6, Ethylene glycol phenyl  
 ether 35884-42-5 41593-38-8, Propylene glycol phenyl ether  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (concs. and dilute aqueous dispersions containing alkylene glycol Ph  
 ether/ether alc. coupler cosolvent for removing organic films and soils from surfaces)

IT 9002-84-0, PTFE  
 RL: MSC (Miscellaneous)  
 (fabrics; concs. and dilute aqueous dispersions containing alkylene  
 glycol Ph ether/ether alc. coupler cosolvent for removing organic films  
 and soils from surfaces)

IT 35884-42-5  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (concs. and dilute aqueous dispersions containing alkylene glycol Ph  
 ether/ether alc. coupler cosolvent for removing organic films and soils from surfaces)

RN 35884-42-5 HCAPLUS  
 CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)



2 ( D1-Me )

RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 7 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2003:334631 HCAPLUS  
 DN 138:355505  
 TI Low ozone depleting brominated compound mixtures for use in solvent and  
 cleaning applications  
 IN Doyel, Kyle; Bixenman, Michael; Sengsavang, Scotty; Thompson, Arthur;  
 Porter, Valerie; Overstreet, Patricia; Gholson, Kristie  
 PA Kyzen Corporation, USA

KATHLEEN FULLER EIC 1700 REMSON 4B28 571/272-2505

SO U.S. Pat. Appl. Publ., 17 pp., Division of U.S. Ser. No. 903,002,  
abandoned.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003083220	A1	20030501	US 2002-191280	20020710
	US 6689734	B2	20040210		
PRAI	US 1997-903002	B3	19970730		

OS MARPAT 138:355505

AB A composition for use a solvent and **cleaner** comprises a monobrominated hydrocarbon compound  $C_xH_{2x+1}Br$  where x is 2-12, or  $C_yH_{2y-1}Br$  where y is 2-12, or mixts. thereof, and an additive selected from the group consisting of: (A) a fluorinated compound of the formula  $CaFbHcXd$  where a is 1-16,  $b > c$ , c can be 1-16, d can be 0 or greater and X can be O, N, halogen, or Si, in any possible combination as long as the number of F atoms exceeds the number of H atoms in the mol.; (B) an enhancement agent selected from the group consisting of alcs., esters, ethers, cyclic ethers, ketones, alkanes, terpenes, dibasic esters, glycol ethers, pyrrolidones, low or non-ozone depleting chlorinated and chlorinated/fluorinated hydrocarbons, and mixts. thereof; and (C) mixts. thereof. These mixts. are useful in a variety of solvating, vapor degreasing, photoresist stripping, adhesive removal, aerosol, cold **cleaning**, and solvent **cleaning** applications including defluxing, **drycleaning**, degreasing, particle removal, metal and **textile cleaning**.

IC ICM C11D017-00

INCL 510412000; 252067000; 510413000; 510175000; 510177000

CC 46-6 (Surface Active Agents and Detergents)

ST monobrominated compd **cleaner** compn ozone depletion

IT Hydrocarbons, uses

RL: TEM (Technical or engineered material use); USES (Uses)  
(chloro; low ozone depleting brominated compound mixts. for use in solvent and **cleaning** applications)

IT Ethers, uses

RL: TEM (Technical or engineered material use); USES (Uses)  
(cyclic; low ozone depleting brominated compound mixts. for use in solvent and **cleaning** applications)

IT Glycols, uses

RL: TEM (Technical or engineered material use); USES (Uses)  
(ethers; low ozone depleting brominated compound mixts. for use in solvent and **cleaning** applications)

IT Hydrocarbons, uses

RL: TEM (Technical or engineered material use); USES (Uses)  
(fluoro; low ozone depleting brominated compound mixts. for use in solvent and **cleaning** applications)

IT Ethers, uses

RL: TEM (Technical or engineered material use); USES (Uses)  
(glycol; low ozone depleting brominated compound mixts. for use in solvent and **cleaning** applications)

IT Hydrocarbons, uses

RL: TEM (Technical or engineered material use); USES (Uses)  
(halo, monobrominated; low ozone depleting brominated compound mixts. for use in solvent and **cleaning** applications)

IT Detergents

Solvents

(low ozone depleting brominated compound mixts. for use in solvent and **cleaning** applications)

IT Alcohols, uses  
 Alkanes, uses  
 Esters, uses  
 Ethers, uses  
 Ketones, uses  
 Terpenes, uses  
 Turpentine

RL: TEM (Technical or engineered material use); USES (Uses)  
 (low ozone depleting brominated compound mixts. for use in solvent and  
**cleaning** applications)

IT Fatty acids, uses

RL: TEM (Technical or engineered material use); USES (Uses)  
 (soya, Me esters; low ozone depleting brominated compound mixts. for use  
 in solvent and **cleaning** applications)

IT 57-55-6, Propylene glycol, uses 64-17-5, Ethyl alcohol, uses 67-56-1,  
 Methyl alcohol, uses 67-63-0, Isopropyl alcohol, uses 67-64-1,  
 Acetone, uses 71-23-8, n-Propyl alcohol, uses 71-36-3, n-Butyl  
 alcohol, uses 71-41-0, 1-Pentanol, uses 74-82-8, Methane, uses  
 74-84-0, Ethane, uses 74-87-3, Methyl chloride, uses 74-96-4,  
 Bromoethane 74-98-6, Propane, uses 75-00-3, Ethyl chloride, 75-09-2,  
 Methylene chloride, uses 75-21-8, Ethylene oxide, uses 75-26-3,  
 2-Bromopropane 75-28-5, Isobutane 75-29-6, Isopropyl chloride  
 75-46-7, Trifluoromethane 75-56-9, Propylene oxide, uses 75-65-0,  
 tert-Butyl alcohol, uses 75-73-0, Perfluoromethane 75-89-8 76-16-4,  
 Perfluoroethane 76-19-7, Perfluoropropane 78-76-2, 2-Bromobutane  
 78-78-4, Isopentane 78-86-4, sec-Butyl chloride 78-92-2, 2-Butanol  
 78-93-3, Methyl ethyl ketone, uses 79-20-9, Methyl acetate 96-22-0,  
 3-Pentanone 96-41-3, Cyclopentanol 97-99-4, Tetrahydrofurfuryl alcohol  
 98-00-0, Furfuryl alcohol 100-51-6, Benzyl alcohol, uses 104-76-7,  
 2-Ethyl hexanol 105-37-3, Ethyl propionate 105-54-4, Ethyl butyrate  
 105-66-8, Propyl butyrate 106-36-5, Propyl propionate 106-65-0,  
 Dimethyl succinate 106-94-5, 1-Bromopropane 106-97-8, Butane, uses  
 107-18-6, Allyl alcohol, uses 107-21-1, Ethylene glycol, uses  
 107-31-3, Methyl formate 107-81-3, 2-Bromopentane 107-83-5, Isohexane  
 107-87-9, 2-Pentanone 108-10-1, Methyl isobutyl ketone 108-59-8,  
 Dimethyl malonate 108-85-0, Bromocyclohexane 108-93-0, Cyclohexanol,  
 uses 109-21-7, Butyl butyrate 109-60-4, Propyl acetate 109-65-9,  
 1-Bromobutane 109-66-0, Pentane, uses 109-69-3, Butyl chloride  
 109-86-4, Ethylene glycol methyl ether 109-94-4, Ethyl formate  
 109-99-9, Tetrahydrofuran, uses 110-27-0, Isopropyl myristate  
 110-36-1, Butyl myristate 110-53-2, 1-Bromopentane 110-54-3, Hexane,  
 uses 110-74-7, Propyl formate 110-80-5, Ethylene glycol ethyl ether  
 110-82-7, Cyclohexane, uses 111-25-1, 1-Bromohexane 111-27-3,  
 1-Hexanol, uses 111-65-9, Octane, uses 111-76-2, Ethylene glycol butyl  
 ether 111-77-3, Diethylene glycol methyl ether 111-84-2, Nonane  
 111-87-5, 1-Octanol, uses 111-90-0, Diethylene glycol ethyl ether  
 112-30-1, 1-Decanol 112-34-5, Diethylene glycol butyl ether 112-53-8,  
 1-Dodecanol 123-25-1, Diethyl succinate 123-86-4, Butyl acetate  
 123-91-1, 1,4 Dioxane, uses 124-18-5, Decane 137-43-9,  
 Bromocyclopentane 138-86-3, Dipentene 141-28-6, Diethyl adipate  
 141-78-6, Ethyl acetate, uses 142-68-7, Tetrahydropyran 142-82-5,  
 Heptane, uses 287-92-3, Cyclopentane 306-83-2, HCFC-123 354-33-6,  
 Pentafluoroethane 354-55-2 355-25-9, Perfluorobutane 355-42-0,  
 Perfluorohexane 377-36-6, 1,1,2,2,3,3,4,4-Octafluorobutane 460-35-5,  
 3-Chloro-1,1,1 trifluoropropane 507-20-0, tert-Butyl chloride  
 513-36-0, Isobutyl chloride 540-54-5, Propyl chloride 543-59-9, Pentyl  
 chloride 544-10-5, Hexyl chloride 553-90-2, Dimethyl oxalate  
 554-12-1, Methyl propionate 584-02-1, 3-Pentanol 589-38-8, 3-Hexanone  
 590-01-2, Butyl propionate 591-78-6, 2-Hexanone 592-84-7, Butyl  
 formate 616-45-5, Pyrrolidone 623-37-0, 3-Hexanol 623-42-7, Methyl

butyrate 626-93-7, 2-Hexanol 627-73-6, Methyl ethyl succinate  
 627-93-0, Dimethyl adipate 646-06-0, 1,3 Dioxolane 678-26-2,  
 Perfluoropentane 828-35-3, 1,1,2,2,3,3,4,5-Octafluorocyclopentane  
 872-50-4, N-Methyl pyrrolidone, uses 1119-40-0, Dimethyl glutarate  
 1300-21-6, Dichloro ethane 1320-67-8, Propylene glycol methyl ether  
 1320-94-1 1330-16-1, Pinene 1678-91-7, Ethylcyclohexane 1809-10-5,  
 3-Bromopentane 2687-91-4, N-Ethyl pyrrolidone 2807-30-9, Ethylene  
 glycol propyl ether 3377-86-4, 2-Bromohexane 3377-87-5, 3-Bromohexane  
 3445-11-2 3470-99-3, N-Propyl pyrrolidone 4838-65-7 5989-27-5  
 6032-29-7, 2-Pentanol 6881-94-3 8006-39-1, Terpinol 14303-70-9,  
 Propyl myristate 15438-71-8 18891-13-9, Methyl ethyl adipate  
 18908-66-2 19430-93-4 25265-68-3, Methyl tetrahydrofuran 25265-71-8,  
 Dipropylene glycol 25265-75-2, Butylene glycol 25323-30-2, Dichloro  
 ethylene 26249-20-7, Butylene oxide 26447-60-9, Octafluorobutane  
 26638-19-7 26746-34-9, Bromooctane 27070-61-7, Hexafluoropropane  
 27195-67-1, Dimethylcyclohexane 28987-04-4 29387-86-8, Propylene  
 glycol butyl ether 29470-95-9 29756-39-6, Bromoheptane 29759-38-4,  
 Tetrafluoroethane 29911-27-1, Dipropylene glycol propyl ether  
 30136-13-1, Propylene glycol propyl ether 30141-69-6, Bromodecane  
 30320-28-6 30350-81-3 30423-63-3 30521-24-5 33660-75-2,  
 Heptafluoropropane 34077-87-7, Dichloro-trifluoroethane 34590-94-8,  
 Dipropylene glycol methyl ether 35884-42-5, Dipropylene glycol  
 butyl ether 37145-47-4, Pentafluoropropane 38436-17-8,  
 Nonafluorohexane 38719-68-5, Dimethyl butane 43133-95-5, Methyl  
 pentane 51000-94-3 51001-25-3, Methyltetrahydropyran 51109-21-8  
 55949-54-7, Nonafluorobutane 61623-04-9 66989-58-0, Bromononane  
 72923-37-6 74469-62-8, Hexafluorobutane 76083-84-6 78099-34-0  
 86498-66-0, Dodecafluorohexane 90278-00-5 90278-01-6 102526-10-3,  
 1,1,1,3,3,5,5,5-Octafluoropentane 116866-99-0, Heptafluorobutane  
 127564-83-4 127564-91-4 127564-92-5, Dichloro-pentafluoropropane  
 133452-70-7, Tridecafluorohexane 134115-64-3 134190-50-4 134237-36-8  
 134237-41-5 138495-42-8, 1,1,1,2,3,4,4,5,5,5-Decafluoropentane  
 139063-93-7 139064-01-0, Octafluorocyclopentane 148565-53-1  
 154275-17-9, Undecafluorohexane 154275-19-1, Octafluorohexane  
 154275-56-6 155072-58-5, Decafluorohexane 163702-05-4 163702-07-6  
 186493-81-2 186493-83-4 219484-64-7, HFE-7100 519154-80-4  
 519154-82-6 519154-84-8

RL: TEM (Technical or engineered material use); USES (Uses)  
 (low ozone depleting brominated compound mixts. for use in solvent and  
**cleaning applications**)

IT 35884-42-5, Dipropylene glycol butyl ether

RL: TEM (Technical or engineered material use); USES (Uses)  
 (low ozone depleting brominated compound mixts. for use in solvent and  
**cleaning applications**)

RN 35884-42-5 HCAPLUS

CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)

$n\text{-BuO}-\text{CH}_2-\text{CH}_2-\text{O}-\text{CH}_2-\text{CH}_2-\text{OH}$

2 ( D1-Me )

L40 ANSWER 8 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2002:960653 HCAPLUS

DN 138:41034

TI Nonwoven fabric impregnated with cleaning composition

KATHLEEN FULLER EIC 1700 REMSON 4B28 571/272-2505

for hard surface **cleaning** wipes  
 IN Leonard, Isabelle; Dormal, Didier; Julemont, Jean  
 PA Colgate-Palmolive Company, USA  
 SO U.S., 5 pp., Cont.-in-part of U.S. 6,436,892.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6495508	B1	20021217	US 2002-158422	20020530
	CA 2452873	AA	20030123	CA 2002-2452873	20020703
	EP 1404802	A1	20040407	EP 2002-748070	20020703
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
	WO 2003050226	A1	20030619	WO 2002-US37631	20021125
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1463795	A1	20041006	EP 2002-804704	20021125
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
PRAI	US 2001-904342	A2	20010712		
	US 2001-16275	A2	20011210		
	US 2002-158422	A	20020530		
	WO 2002-US21146	W	20020703		
	WO 2002-US37631	W	20021125		
OS	MARPAT 138:41034				
AB	Title <b>cleaning</b> wipe comprises (a) 20-30 wt% of a nonwoven fabric, and (b) 70-80 wt% of a liquid <b>cleaning</b> composition being impregnated in the nonwoven fabric. The liquid <b>cleaning</b> composition with pH of 5.25-7 comprises (i) 0.05-0.2% of a proton donating agent, (ii) 0.1-4% of at least one disinfecting agent; (iii) 0.5-10% of an ethoxylated nonionic surfactant formed from a C9-C11 alkanol and 6-9 mol of ethylene oxide; (iv) 0.1-4.0% of an ethoxylated nonionic surfactant formed from a C9-C11 alkanol and 2-3 mol of ethylene oxide; (v) 0.1-10% of an zwitterionic surfactant; (vi) 0.01-0.1% of a preservative selected from the group consisting of benzalkonium chloride, benzethonium chloride, alkyl tri-Me ammonium bromide and mixts. thereof; (vii) 0.05-0.3% of an alkali metal hydroxide; (viii) 1.0-10% of at least two different glycol ethers consisting of propylene glycol N-Bu ether and dipropylene glycol N-Bu ether; and (ix) water. Thus, a <b>cleaning</b> composition was prepared by mixing dipropylene glycol N-Bu ether 2, ethanol 2, 30% cocoamidopropyl di-Me betaine 2, ethoxylated C9-C11 alc. (7.5-8:1) 1.5, ethoxylated C9-C11 alc. (2.5:1) 0.2, citric acid monohydrate 0.15, propylene glycol monobutyl ether 1, 50% NaOH 0.14, 2-bromo-2-nitropropane-1,3-diol 0.02, perfume 0.1 parts, and water.				
IC	ICM C11D017-00				
INCL	510438000; 510439000; 510295000; 510499000; 510505000; 510506000; 134042000; 428288000; 015209100				
CC	46-6 (Surface Active Agents and Detergents) Section cross-reference(s): 40				
ST	nonwoven fabric impregnated <b>cleaning</b> compn hard				

- surface wipe
- IT **Cleaning**  
(apparatus, wipes; preparation of nonwoven **fabric** impregnated with **cleaning** composition for hard surface **cleaning** wipes)
- IT Disinfectants  
(detergent, wipes; preparation of nonwoven **fabric** impregnated with **cleaning** composition for hard surface **cleaning** wipes)
- IT Detergents  
(disinfectant, wipes; preparation of nonwoven **fabric** impregnated with **cleaning** composition for hard surface **cleaning** wipes)
- IT Alcohols, uses  
RL: TEM (Technical or engineered material use); USES (Uses)  
(ethoxylated, C9-C11, nonionic surfactant; preparation of nonwoven **fabric** impregnated with **cleaning** composition for hard surface **cleaning** wipes)
- IT Surfactants  
(nonionic; preparation of nonwoven **fabric** impregnated with **cleaning** composition for hard surface **cleaning** wipes)
- IT Antibacterial agents  
(preparation of nonwoven **fabric** impregnated with **cleaning** composition for hard surface **cleaning** wipes)
- IT Nonwoven **fabrics**  
(substrate; preparation of nonwoven **fabric** impregnated with **cleaning** composition for hard surface **cleaning** wipes)
- IT Surfactants  
(zwitterionic; preparation of nonwoven **fabric** impregnated with **cleaning** composition for hard surface **cleaning** wipes)
- IT 52-51-7, 2-Bromo-2-nitropropane-1,3-diol 1310-73-2, Sodium hydroxide, uses  
RL: MOA (Modifier or additive use); USES (Uses)  
(preparation of nonwoven **fabric** impregnated with **cleaning** composition for hard surface **cleaning** wipes)
- IT 64-17-5, Ethanol, uses 67-63-0, Isopropanol, uses  
RL: NUU (Other use, unclassified); USES (Uses)  
(preparation of nonwoven **fabric** impregnated with **cleaning** composition for hard surface **cleaning** wipes)
- IT 29387-86-8, Propylene glycol N-butyl ether 35884-42-5  
RL: TEM (Technical or engineered material use); USES (Uses)  
(preparation of nonwoven **fabric** impregnated with **cleaning** composition for hard surface **cleaning** wipes)
- IT 121-54-0, Benzethonium chloride 2840-24-6D, Trimethyl ammonium bromide, alkyl derivs.  
RL: MOA (Modifier or additive use); USES (Uses)  
(preservatives; preparation of nonwoven **fabric** impregnated with **cleaning** composition for hard surface **cleaning** wipes)
- IT 5949-29-1, Citric acid monohydrate  
RL: TEM (Technical or engineered material use); USES (Uses)  
(proton donating agent; preparation of nonwoven **fabric** impregnated with **cleaning** composition for hard surface **cleaning** wipes)
- IT 474087-60-0, Spunlace 478695-71-5, Hydraspun 8579  
RL: MSC (Miscellaneous)  
(substrate; preparation of nonwoven **fabric** impregnated with **cleaning** composition for hard surface **cleaning** wipes)
- IT 36574-66-0D, [(3-Aminopropyl)dimethylamino]acetic acid betaine, N-coco acyl derivs.  
RL: TEM (Technical or engineered material use); USES (Uses)  
(zwitterionic surfactant; preparation of nonwoven **fabric** impregnated with **cleaning** composition for hard surface



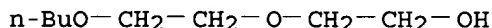
cleaning wipes)

IT 35884-42-5

RL: TEM (Technical or engineered material use); USES (Uses)  
 (preparation of nonwoven fabric impregnated with cleaning  
 composition for hard surface cleaning wipes)

RN 35884-42-5 HCAPLUS

CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)



2 (D1-Me)

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 9 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2002:901047 HCAPLUS

DN 138:5559

TI Inks for ink-jet textile printing

IN Taniguchi, Makoto

PA Seiko Epson Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 21 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002338859	A2	20021127	JP 2001-149435	20010518
PRAI	JP 2001-149435		20010518		

AB The inks contain water, water-soluble organic solvents, and colorants  
 comprising

crosslinked polymer-encapsulated pigments. Thus, stirring carbon black,  
 benzyl methacrylate-Bu acrylate-2-hydroxyethyl methacrylate-glycidyl  
 methacrylate-methacrylic acid copolymer, and p-menthanediamine in PhMe  
 under ultrasonic irradiation, and emulsifying with water gave a colorant  
 dispersion. An aqueous jet printing ink containing the above dispersion showed  
 good stability at 60° for 1 wk and gave images with high quality  
 and washfastness.

IC ICM C09D011-00

ICS B41J002-01; B41M005-00; C09C001-00; C09C003-10; C09B047-08;  
 C09B048-00; C09B067-08; D06P005-00

CC 40-6 (Textiles and Fibers)

Section cross-reference(s): 42

ST encapsulation pigment water thinned ink textile jet printing;

washfastness textile jet printing ink

IT Glycols, uses

RL: TEM (Technical or engineered material use); USES (Uses)  
 (ethers; water-thinned ink-jet inks containing encapsulated pigments for  
 textile printing)

IT Ethers, uses

RL: TEM (Technical or engineered material use); USES (Uses)  
 (glycol; water-thinned ink-jet inks containing encapsulated pigments for  
 textile printing)

IT Inks

(jet-printing, water-thinned; water-thinned ink-jet inks containing

encapsulated pigments for **textile** printing)

IT Encapsulation  
Pigments, nonbiological  
**Textile** printing  
(water-thinned ink-jet inks containing encapsulated pigments for **textile** printing)

IT 380148-73-2P 380148-74-3P 380148-75-4P 380148-76-5P,  
Acrylonitrile-Aqualon HS 10-divinylbenzene copolymer 380148-77-6P  
380148-78-7P 382140-67-2P  
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
(water-thinned ink-jet inks containing encapsulated pigments for **textile** printing)

IT 112-34-5, Diethylene glycol monobutyl ether 143-22-6, Triethylene glycol monobutyl ether 29387-86-8, Propylene glycol monobutyl ether 29911-28-2 **35884-42-5**, Dipropylene glycol monobutyl ether  
RL: TEM (Technical or engineered material use); USES (Uses)  
(water-thinned ink-jet inks containing encapsulated pigments for **textile** printing)

IT **35884-42-5**, Dipropylene glycol monobutyl ether  
RL: TEM (Technical or engineered material use); USES (Uses)  
(water-thinned ink-jet inks containing encapsulated pigments for **textile** printing)

RN 35884-42-5 HCAPLUS  
CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)

n-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

L40 ANSWER 10 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN  
AN 2002:849347 HCAPLUS  
DN 137:357904  
TI Moist towelettes containing an alkylene carbonate  
IN Smadi, Raeda M.; Machac, James M., Jr.; Marquis, Edward T.  
PA Huntsman Petrochemical Corporation, USA  
SO PCT Int. Appl., 23 pp.  
CODEN: PIXXD2

DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002087327	A1	20021107	WO 2002-US11982	20020416
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM,				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2002192267	A1	20021219	US 2001-842451	20010426
	US 6703033	B2	20040309		

CA 2445530 AA 20021107 CA 2002-2445530 20020416  
 EP 1389041 A1 20040218 EP 2002-725697 20020416  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR  
 PRAI US 2001-842451 A 20010426  
 WO 2002-US11982 W 20020416  
 AB A moist towelette made from nonwoven fabrics and cellulosic  
 materials, useful for **cleansing**, among other things, hard  
 surfaces and human skin, is described. The moist towelette comprises a  
 towelette portion which is moistened with a liquid composition containing an  
 alkylene  
 carbonate and a surfactant. According to one preferred form of the  
 invention, the liquid composition from which the towelettes are made moist are  
 alc.-free. In another embodiment, a substantial portion of the alc. in a  
 given formulation is replaced with an alkylene carbonate component.  
 Preferred alkylene carbonate components include propylene carbonate,  
 butylene carbonate, and glycerin carbonate. For example, a liquid composition  
 for moist towelettes contained propylene carbonate 9%, Surfonic CO-42 4%,  
 PPG-1-PEG-9 lauryl glycol ether 3%, PPG-2-Me ether 1%, fragrance 1.2%, BHT  
 0.5%, phenoxyethanol 0.16%, methyldibromo glutaronitrile 0.04%, Aloe  
 barbadensis gel 0.01%, and water 75.09%.  
 IC ICM A01N025-34  
 CC 62-4 (Essential Oils and Cosmetics)  
 ST alkylene carbonate alc moist towelette  
 IT Alcohols, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (alkoxy, surfactants; moist towelettes containing alkylene carbonate and  
 optionally alc.)  
 IT Fatty acids, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (esters, surfactants; moist towelettes containing alkylene carbonate and  
 optionally alc.)  
 IT Glycols, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (ethers; moist towelettes containing alkylene carbonate and optionally  
 alc.)  
 IT Ethers, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (glycol; moist towelettes containing alkylene carbonate and optionally  
 alc.)  
 IT Alcohols, biological studies  
 Polyoxyalkylenes, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (moist towelettes containing alkylene carbonate and optionally alc.)  
 IT Quaternary ammonium compounds, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (surfactants; moist towelettes containing alkylene carbonate and optionally  
 alc.)  
 IT Cosmetics  
 (wipes; moist towelettes containing alkylene carbonate and optionally alc.)  
 IT 52-51-7, 2-Bromo-2-nitropropane-1,3-diol 56-81-5, Glycerol, biological  
 studies 57-55-6, Propylene glycol, biological studies 64-17-5,  
 Ethanol, biological studies 67-56-1, Methanol, biological studies  
 67-63-0, Isopropanol, biological studies 71-23-8, n-Propanol, biological  
 studies 108-32-7, Propylene carbonate 111-46-6, Diethylene glycol,  
 biological studies 122-99-6, Phenoxyethanol 931-40-8, Glycerin  
 carbonate 1320-67-8, Propylene glycol methyl ether 3403-82-5,  
 Dibutylene glycol 4437-85-8, Butylene carbonate 17081-34-4  
 25190-06-1, Polybutylene glycol 25265-71-8, Dipropylene glycol  
 25265-75-2, Butylene glycol 25322-69-4, Polypropylene glycol

29387-86-8, Propylene glycol butyl ether 34590-94-8, Dipropylene glycol methyl ether 35691-65-7 35884-42-5, Dipropylene glycol butyl ether 37311-00-5 53694-15-8, Ethoxylated sorbitol 474653-58-2 474653-60-6 474654-70-1, Surfonic CO 42 474654-76-7, Surfonic N-SB 4SS  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (moist towelettes containing alkylene carbonate and optionally alc.)  
 IT 98-11-3D, Benzenesulfonic acid, alkyl esters  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (surfactants; moist towelettes containing alkylene carbonate and optionally alc.)  
 IT 35884-42-5, Dipropylene glycol butyl ether  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (moist towelettes containing alkylene carbonate and optionally alc.)  
 RN 35884-42-5 HCAPLUS  
 CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)

n-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 11 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2002:72241 HCAPLUS  
 DN 136:120260  
 TI Foam carpet cleaner composition  
 IN Ryan, Tracy Ann; Ashton, Kelleigh Ann; Belansky, Carol Ann; De Dominicis, Mattia  
 PA Reckitt Benckiser Inc., USA; Reckitt Benckiser (UK) Limited  
 SO PCT Int. Appl., 21 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002006435	A1	20020124	WO 2001-GB3106	20010711
W:			AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM	
RW:			GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG	
GB 2364711	A1	20020206	GB 2000-17291	20000714
GB 2364711	B2	20020925		
CA 2413137	AA	20020124	CA 2001-2413137	20010711
EP 1301582	A1	20030416	EP 2001-949660	20010711
R:			AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR	
BR 2001012477	A	20030722	BR 2001-12477	20010711
US 2003162678	A1	20030828	US 2003-332828	20030113
ZA 2003000369	A	20040408	ZA 2003-369	20030114

PRAI GB 2000-17291 A 20000714  
 WO 2001-GB3106 W 20010711

AB An improved quick breaking foaming or bubbling **carpet cleaning** composition wherein the foam breaks within ten minutes of application to the **carpet**, comprises: (a) a solvent system comprising one or more organic solvents; (b) a surfactant selected from the group consisting of anionic surfactants, non-ionic surfactants, and mixts. thereof; (c) a propellant; (d) water; (e) optionally one or more hydrotropes; and (f) optionally one or more cationic surfactants, one or more corrosion inhibitors, pH buffering agents, perfumes, perfume carriers, pH adjusting agents, pH buffers, antioxidants, antimicrobials, germicidals, fungicidals, acaricides, allergen neutralizer and preservatives.

IC ICM C11D003-43  
 ICS C11D017-00; C11D003-20

CC 46-6 (Surface Active Agents and Detergents)

ST foam **carpet cleaner** compn; primary secondary alc ethoxylate nonionic surfactant

IT Alcohols, uses  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (C12-16, ethoxylated, primary alcs., Genapol 26L60 and Genapol 26L80, nonionic surfactants; foam **carpet cleaner** composition)

IT Surfactants  
 (anionic; foam **carpet cleaner** composition)

IT **Carpets**  
 Detergents  
 Hydrotropes  
 (foam **carpet cleaner** composition)

IT Surfactants  
 (nonionic; foam **carpet cleaner** composition)

IT Alcohols, uses  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (secondary, ethoxylated, nonionic surfactants; foam **carpet cleaner** composition)

IT 30136-13-1 34590-94-8, Dipropylene glycol methyl ether  
**35884-42-5**  
 RL: NUU (Other use, unclassified); USES (Uses)  
 (foam **carpet cleaner** composition)

IT 1300-72-7, Sodium xylene sulfonate 5324-84-5, Sodium n-octane sulfonate  
 28348-53-0, Sodium cumene sulfonate 77243-99-3D, mono- or di-alkyl derivs.  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (hydrotrope; foam **carpet cleaner** composition)

IT **35884-42-5**  
 RL: NUU (Other use, unclassified); USES (Uses)  
 (foam **carpet cleaner** composition)

RN 35884-42-5 HCAPLUS

CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)

n-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

KATHLEEN FULLER EIC 1700 REMSON 4B28 571/272-2505

L40 ANSWER 12 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2001:923957 HCAPLUS

DN 136:39151

TI Biodegradable ether dry **cleaning** solvent

IN Hayday, William A.

PA Rynex Holdings, Ltd., Bermuda

SO PCT Int. Appl., 22 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	WO 2001096513	A1	20011220	WO 2001-US40852	20010606	
	W:			AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		
	RW:			GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG		
	CA 2413083	AA	20011220	CA 2001-2413083	20010606	
	EP 1294841	A1	20030326	EP 2001-942232	20010606	
	R:			AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR		
	JP 2004503663	T2	20040205	JP 2002-510633	20010606	
PRAI	US 2000-211301P	P	20000613			
	US 2000-621896	A	20000720			
	WO 2001-US40852	W	20010606			
AB	A method for dry-cleaning garments which comprises treating the garments with a mixture of dipropylene glycol tertiary-Bu ether (DPTB) and water for a period of time sufficient to effect dry-cleaning, wherein the weight ratio of DPTB to water is at least 9:1.					
IC	ICM C11D003-20					
	ICS C11D003-60; D06L001-02					
CC	46-5 (Surface Active Agents and Detergents)					
ST	dipropylene glycol butyl ether dry <b>cleaning</b> solvent.					
IT	<b>Clothing</b>					
	Dry <b>cleaning</b>					
	Dry <b>cleaning</b> solvents					
	(biodegradable ether <b>garment dry cleaning</b> solvent)					
IT	<b>Textiles</b>					
	(wool; scouring of wool by dipropylene glycol tert-Bu ether dry <b>cleaning</b> solvent)					
IT	132739-31-2, Dipropylene glycol mono-tert-butyl ether					
	RL: TEM (Technical or engineered material use); USES (Uses)					
	(biodegradable ether <b>garment dry cleaning</b> solvent)					
IT	132739-31-2, Dipropylene glycol mono-tert-butyl ether					
	RL: TEM (Technical or engineered material use); USES (Uses)					
	(biodegradable ether <b>garment dry cleaning</b> solvent)					
RN	132739-31-2 HCAPLUS					
CN	Propanol, [2-(1,1-dimethylethoxy)methylethoxy]- (9CI) (CA INDEX NAME)					

t-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 13 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2001:781069 HCAPLUS

DN 135:332765

TI **Fabric treatment** articles carrying **treatment**  
compositions containing nonionic surfactants and glycol ethers

IN Keppie, Ian; Warr, Jonathan Frank

PA Unilever PLC, UK; Unilever NV; Hindustan Lever Limited

SO PCT Int. Appl., 21 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001079415	A1	200111025	WO 2001-EP3452	20010326
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	US 2001044399	A1	20011122	US 2001-834062	20010412
PRAI	GB 2000-9344	A	20000414		
AB	Title article, such as tumble dryer sheet, comprises a substrate releasably impregnated with a fluid <b>treatment</b> composition adapted for <b>fabric cleaning</b> and freshening by contact of the fluid composition with the <b>fabric</b> to be <b>treated</b> during a tumble drying process and comprising a glycol ether solvent, water, a nonionic surfactant and a perfume, wherein the glycol ether solvent is miscible with the water in the composition and total surfactant content is ≤2%. Thus, a composition comprises Neodol 25-9 (ethoxylated C12-15 alc.) 2.0, dipropylene glycol Bu ether 2.5, Galaxy 80 (perfume) 0.55, preservative (containing 1,2-benzisothiazolin-3-one, sodium hypochlorite and 3-iodo-2-propynyl Bu carbamate) 0.04% and water balanced was predosed onto nonwoven sheet, contacted with stained <b>fabrics</b> in a tumble dryer for 30 min, showing good <b>cleaning</b> and freshening performance.				
IC	ICM C11D017-04 ICS C11D003-20; C11D003-50; D06L001-04				
CC	46-5 (Surface Active Agents and Detergents)				
ST	nonionic surfactant sheet <b>fabric dry cleaning</b> ; glycol ether sheet <b>fabric dry cleaning</b>				
IT	Alcohols, uses RL: TEM (Technical or engineered material use); USES (Uses) (C12-15, ethoxylated, nonionic surfactants; <b>fabric treatment</b> articles carrying <b>treatment</b> compns. containing nonionic surfactants and glycol ethers)				

IT Drying  
(drum; **fabric treatment** articles carrying  
**treatment** compns. containing nonionic surfactants and glycol  
ethers)

IT Glycols, uses  
RL: TEM (Technical or engineered material use); USES (Uses)  
(ethers; **fabric treatment** articles carrying  
**treatment** compns. containing nonionic surfactants and glycol  
ethers)

IT Dry cleaning  
**Textiles**  
(**fabric treatment** articles carrying  
**treatment** compns. containing nonionic surfactants and glycol  
ethers)

IT Ethers, uses  
RL: TEM (Technical or engineered material use); USES (Uses)  
(glycol; **fabric treatment** articles carrying  
**treatment** compns. containing nonionic surfactants and glycol  
ethers)

IT Detergents  
(liquid; **fabric treatment** articles carrying  
**treatment** compns. containing nonionic surfactants and glycol  
ethers)

IT Surfactants  
(nonionic; **fabric treatment** articles carrying  
**treatment** compns. containing nonionic surfactants and glycol  
ethers)

IT Rayon, miscellaneous  
RL: MSC (Miscellaneous)  
(polyester-, **fabrics**, substrates; **fabric**  
**treatment** articles carrying **treatment** compns. containing  
nonionic surfactants and glycol ethers)

IT Polyester fibers, miscellaneous  
RL: MSC (Miscellaneous)  
(rayon-, **fabrics**, substrates; **fabric**  
**treatment** articles carrying **treatment** compns. containing  
nonionic surfactants and glycol ethers)

IT Nonwoven **fabrics**  
(substrates; **fabric treatment** articles carrying  
**treatment** compns. containing nonionic surfactants and glycol  
ethers)

IT 112-34-5, Diethylene glycol butyl ether 25498-49-1, Tripropylene glycol  
monomethyl ether 35884-42-5, Dipropylene glycol butyl ether  
RL: TEM (Technical or engineered material use); USES (Uses)  
(**fabric treatment** articles carrying  
**treatment** compns. containing nonionic surfactants and glycol  
ethers)

IT 35884-42-5, Dipropylene glycol butyl ether  
RL: TEM (Technical or engineered material use); USES (Uses)  
(**fabric treatment** articles carrying  
**treatment** compns. containing nonionic surfactants and glycol  
ethers)

RN 35884-42-5 HCAPLUS

CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)



n-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 14 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2001:581516 HCAPLUS

DN 135:154414

TI Spot **treatment** of soiled **textiles** in dry  
**cleaning**

IN Schymitzek, Tatiana; Jeschke, Rainer

PA Henkel K.-G.a.A., Germany

SO Eur. Pat. Appl., 21 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1122302	A1	20010808	EP 2001-101350	20010122
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	DE 10036605	A1	20010809	DE 2000-10036605	20000727
PRAI	DE 2000-10004040	A	20000131		
	DE 2000-10036605	A	20000727		
AB	Spots are sprayed with aqueous compns. containing ≤99% water, 1-30% glycol ether, glycerol derivs. or butoxypropoxypropanol (I), and ≥3 anionic and(or) nonionic surfactants before or during dry <b>cleaning</b> . Optionally, the compns. are multiphase and contain 5-30% organic solvent, of which 2-20% is dialkyl ether or paraffins and isoparaffins with b.p. >180°, or I. The spots of soiled <b>textiles</b> are sprayed with these compns. while lying on an absorbent support.				
IC	ICM C11D017-04				
	ICS C11D001-83; C11D017-00; D06L001-02				
CC	46-5 (Surface Active Agents and Detergents)				
ST	spot <b>treatment</b> dry <b>cleaning</b> glycol ether aq compn; isoparaffin aq compn spot <b>treatment</b> dry <b>cleaning</b> ; paraffin aq compn spot <b>treatment</b> dry <b>cleaning</b> ; dialkyl ether aq compn spot <b>treatment</b> dry <b>cleaning</b> ; butoxypropoxypropanol aq compn spot <b>treatment</b> dry <b>cleaning</b> ; nonionic surfactant aq compn spot <b>treatment</b> dry <b>cleaning</b> ; anionic surfactant aq compn spot <b>treatment</b> dry <b>cleaning</b> ; glycerol deriv aq compn spot <b>treatment</b> dry <b>cleaning</b>				
IT	Alcohols, uses				
	RL: TEM (Technical or engineered material use); USES (Uses) (C10-16, ethoxylated; spot <b>treatment</b> of soiled <b>textiles</b> by spraying with aqueous compns. containing solvents and surfactants in dry <b>cleaning</b> )				
IT	Amine oxides				
	RL: TEM (Technical or engineered material use); USES (Uses) (C10-16-alkyldimethyl; spot <b>treatment</b> of soiled <b>textiles</b> by spraying with aqueous compns. containing solvents and surfactants in dry <b>cleaning</b> )				

IT Glycosides  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (alkyl polyglycosides, C8-16; spot **treatment** of soiled  
**textiles** by spraying with aqueous compns. containing solvents and  
 surfactants in dry **cleaning**)

IT Surfactants  
 (anionic; spot **treatment** of soiled **textiles** by  
 spraying with aqueous compns. containing solvents and surfactants in dry  
**cleaning**)

IT Ethers, uses  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (di-C8-12; spot **treatment** of soiled **textiles** by  
 spraying with aqueous compns. containing solvents and surfactants in dry  
**cleaning**)

IT Polyoxyalkylenes, uses  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (ethers with C10-16 alcs.; spot **treatment** of soiled  
**textiles** by spraying with aqueous compns. containing solvents and  
 surfactants in dry **cleaning**)

IT Glycols, uses  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (ethers; spot **treatment** of soiled **textiles** by  
 spraying with aqueous compns. containing solvents and surfactants in dry  
**cleaning**)

IT Ethers, uses  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (glycol; spot **treatment** of soiled **textiles** by  
 spraying with aqueous compns. containing solvents and surfactants in dry  
**cleaning**)

IT Surfactants  
 (nonionic; spot **treatment** of soiled **textiles** by  
 spraying with aqueous compns. containing solvents and surfactants in dry  
**cleaning**)

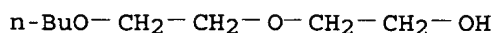
IT Detergents  
 Dry **cleaning**  
 (spot **treatment** of soiled **textiles** by spraying with  
 aqueous compns. containing solvents and surfactants in dry **cleaning**)

IT Alkanes, uses  
 Isoalkanes  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (spot **treatment** of soiled **textiles** by spraying with  
 aqueous compns. containing solvents and surfactants in dry **cleaning**)

IT 111-90-0, Diethylene glycol monoethyl ether 616-45-5D, Pyrrolidone,  
 N-C8-12 alkyl derivs. 931-40-8 7664-93-9D, Sulfuric acid, esters, with  
 alkanols or hydroxy alkyl ethers, uses 25322-68-3D, Polyethylene glycol,  
 ethers with C10-16 alcs. 35884-42-5, Butoxypropoxypropanol  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (spot **treatment** of soiled **textiles** by spraying with  
 aqueous compns. containing solvents and surfactants in dry **cleaning**)

IT 35884-42-5, Butoxypropoxypropanol  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (spot **treatment** of soiled **textiles** by spraying with  
 aqueous compns. containing solvents and surfactants in dry **cleaning**)

RN 35884-42-5 HCAPLUS  
 CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)



2 ( D1-Me )

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 15 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2001:526166 HCAPLUS

DN 135:108977

TI Laundry detergent comprising a pro-perfume composition containing  
suspending material, an amino-functional component, and ketone and/or  
aldehyde perfume ingredient

IN Wevers, Jean; Smets, Johan; Rosaldo, Rafael Trujillo; Van Steenwinckel,  
Pascale Claire Annick

PA The Procter + Gamble Company, USA

SO PCT Int. Appl., 100 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001051599	A1	20010719	WO 2001-US822	20010110
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	EP 1116788	A1	20010718	EP 2000-870069	20000413
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	CA 2392976	AA	20010719	CA 2001-2392976	20010110
	BR 2001007549	A	20021008	BR 2001-7549	20010110
	EP 1246899	A1	20021009	EP 2001-903021	20010110
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	JP 2003519721	T2	20030624	JP 2001-551173	20010110
	US 2004018955	A1	20040129	US 2002-168936	20021011
PRAI	EP 2000-870004	A	20000112		
	EP 2000-870069	A	20000413		
	WO 2001-US822	W	20010110		

AB There is provided a pro-perfume composition comprising an amino-functional component and a benefit agent, which is stably suspended into a liquid detergent matrix, and subsequently providing an enhanced deposition as well as long lasting release on the **treated fabric** of the benefit agent. The amino-functional component is selected from ethyl-4-amino benzoate, polyethyleneimine polymers; diamminobutane dendrimers Astramol, polylysine, crosslinked polylysine, N,N'-bis(3-aminopropyl)-1,3-propanediamine linear or branched; 1,4-bis(3-aminopropyl)piperazine, and mixts. thereof. The perfume

ingredient is a ketone perfume ingredient, preferably selected from  $\alpha$ -Damascone,  $\delta$ -Damascone, Isodamascone, Carvone,  $\gamma$ -Methylionone, Iso-E-Super, 2,4,4,7-Tetramethyloct-6-en-3-one, Benzyl Acetone,  $\beta$ -Damascone, Damasconone, Me dihydrojasmonate, Me cedrylone, Hedione, and mixts. thereof. The perfume ingredient is an aldehyde perfume ingredient, preferably selected from citral, 1-decanal, benzaldehyde, florhydral, 2,4-dimethyl-3-cyclohexene-1-carboxaldehyde; cis/trans-3,7-dimethyl-2,6-octadien-1-al; heliotropin; 2,4,6-trimethyl-3-cyclohexene-1-carboxaldehyde; 2,6-nonadienal; alpha-n-amylicinnamic aldehyde, alpha-n-hexylcinnamic aldehyde, P.T. Bucinal, lyral, cymal, methylnonyl acetaldehyde, trans-2-nonenal, lilial, trans-2-nonenal, and mixture thereof.

IC ICM C11D003-50

ICS C11D003-16; C11D003-37

CC 46-5 (Surface Active Agents and Detergents)

Section cross-reference(s): 62

ST detergent laundry compn perfume ketone aldehyde suspending material; amino functional component laundry detergent compn

IT Dendritic polymers

RL: TEM (Technical or engineered material use); USES (Uses)

(Astramol, amino-functional component; laundry detergent comprising pro-perfume composition containing suspending material, amino-functional component, and ketone and/or aldehyde perfume ingredient)

IT Polysiloxanes, uses

RL: TEM (Technical or engineered material use); USES (Uses)

(fluoro, suspending material; laundry detergent comprising pro-perfume composition containing suspending material, amino-functional component, and ketone and/or aldehyde perfume ingredient)

IT Perfumes

Surfactants

(laundry detergent comprising pro-perfume composition containing suspending material, amino-functional component, and ketone and/or aldehyde perfume ingredient)

IT Aldehydes, uses

Ketones, uses

RL: TEM (Technical or engineered material use); USES (Uses)

(laundry detergent comprising pro-perfume composition containing suspending material, amino-functional component, and ketone and/or aldehyde perfume ingredient)

IT Detergents

(laundry; laundry detergent comprising pro-perfume composition containing suspending material, amino-functional component, and ketone and/or aldehyde perfume ingredient)

IT Detergents

(liquid; laundry detergent comprising pro-perfume composition containing suspending material, amino-functional component, and ketone and/or aldehyde perfume ingredient)

IT Polysiloxanes, uses

RL: TEM (Technical or engineered material use); USES (Uses)

(suspending material; laundry detergent comprising pro-perfume composition containing suspending material, amino-functional component, and ketone and/or aldehyde perfume ingredient)

IT 4605-14-5, N,N'-Bis(3-aminopropyl)-1,3-propanediamine 7209-38-3,

1,4-Bis(3-aminopropyl)piperazine 25104-18-1, Polylysine

RL: TEM (Technical or engineered material use); USES (Uses)

(Astramol, amino-functional component; laundry detergent comprising pro-perfume composition containing suspending material, amino-functional component, and ketone and/or aldehyde perfume ingredient)

IT 94-09-7, Ethyl-4-amino benzoate 26913-06-4, Poly[imino(1,2-ethanediyl)]

RL: TEM (Technical or engineered material use); USES (Uses)

(amino-functional component; laundry detergent comprising pro-perfume composition containing suspending material, amino-functional component, and ketone and/or aldehyde perfume ingredient)

IT 141-27-5

RL: TEM (Technical or engineered material use); USES (Uses)

(laundry detergent comprising pro-perfume composition containing suspending material, amino-functional component, and ketone and/or aldehyde perfume ingredient)

IT 80-54-6

RL: TEM (Technical or engineered material use); USES (Uses)

(perfume, Lillial; laundry detergent comprising pro-perfume composition containing suspending material, amino-functional component, and ketone and/or aldehyde perfume ingredient)

IT 99-49-0, Carvone 100-52-7, Benzaldehyde, uses 101-86-0,  $\alpha$ -Hexylcinnamic aldehyde 103-95-7 106-26-3 110-41-8, Methylnonyl acetaldehyde 112-31-2, Decanal 120-57-0, Heliotropin 122-40-7 1423-46-7 2550-26-7, BenzylAcetone 2630-39-9, Methyl dihydrojasmonate 5392-40-5, Citral 7388-22-9,  $\gamma$ -Methylionone 18829-56-6, trans-2-Nonenal 23726-91-2,  $\beta$ -Damascone 23726-93-4, Damascenone 26370-28-5, 2,6-Nonadienal 43052-87-5,  $\alpha$ -Damascone 54464-57-2, Iso-E-Super 57378-68-4,  $\delta$ -Damascone 61711-48-6, Iso Damascone 68039-49-6, 2,4-Dimethyl-3-cyclohexene-1-carboxaldehyde 74338-72-0, 2,4,4,7-Tetramethyloct-6-en-3-one 125109-85-5 130066-44-3, Lylal 346708-56-3, Methylcedrylone

RL: TEM (Technical or engineered material use); USES (Uses)

(perfume; laundry detergent comprising pro-perfume composition containing suspending material, amino-functional component, and ketone and/or aldehyde perfume ingredient)

IT 84-66-2, Diethyl phthalate 118-58-1, Benzyl salicylate 9016-00-6, Polydimethylsiloxane 25265-71-8, Dipropyleneglycol 35884-42-5, Butoxypropoxypropanol 139465-30-8, DC 3225C

RL: TEM (Technical or engineered material use); USES (Uses)

(suspending material; laundry detergent comprising pro-perfume composition containing suspending material, amino-functional component, and ketone and/or aldehyde perfume ingredient)

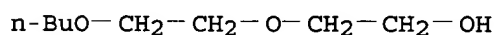
IT 35884-42-5, Butoxypropoxypropanol

RL: TEM (Technical or engineered material use); USES (Uses)

(suspending material; laundry detergent comprising pro-perfume composition containing suspending material, amino-functional component, and ketone and/or aldehyde perfume ingredient)

RN 35884-42-5 HCAPLUS

CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)



2 ( D1-Me )

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 16 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2001:360134 HCAPLUS

DN 134:354871

TI Cleaning solvent compositions

IN Michaud, Pascal

PA ATOFINA, Fr.

KATHLEEN FULLER EIC 1700 REMSON 4B28 571/272-2505

SO PCT Int. Appl., 19 pp.

CODEN: PIXXD2

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	WO 2001034755	A1	20010517	WO 2000-FR3091	20001107	
	W:			AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		
	RW:			GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG		
	FR 2800746	A1	20010511	FR 1999-14152	19991110	
	FR 2800746	B1	20020104			
	CA 2390656	AA	20010517	CA 2000-2390656	20001107	
	EP 1228183	A1	20020807	EP 2000-978979	20001107	
	R:			AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR		
	JP 2003514103	T2	20030415	JP 2001-537452	20001107	
	NO 2002002158	A	20020506	NO 2002-2158	20020506	
PRAI	FR 1999-14152	A	19991110			
	WO 2000-FR3091	W	20001107			

OS MARPAT 134:354871

AB The invention concerns a **cleaning** composition for eliminating at room temperature polysulfide mastics, tars, fuel oils and other fatty grime and/or grime adhering to hard surfaces made of metal, glass or to **textiles**. Said composition comprises  $\geq 1$  polyaryllalkanes [e.g., (methylbenzyl)xylene],  $\geq 1$  oxygenated organic solvent selected among alkylene glycol ethers, dialkylene glycol monoethers, trialkylene glycol monoethers, alkylene glycol diethers, dialkylene glycol diethers, diacetone alc., 2-methyl-2,4-pentanediol and  $\geq 1$  aliphatic hydrocarbon.

IC ICM C11D007-50

ICS C23G005-024; C23G005-032; C09D009-00

CC 46-6 (Surface Active Agents and Detergents)

Section cross-reference(s): 42, 55, 56, 57

ST **cleaning** solvent polyaryllalkane oxygenated compd aliph hydrocarbon; glass **cleaning** solvent; metal **cleaning** solvent; methylbenzylxylene oxygenated compd aliph hydrocarbon **cleaning** solvent; methylpentanediol polyaryllalkane aliph hydrocarbon **cleaning** solvent; diacetone alc polyaryllalkane aliph hydrocarbon **cleaning** solvent; glycol ether polyaryllalkane aliph hydrocarbon **cleaning** solvent; fuel oil removal **cleaning** solvent; tar removal **cleaning** solvent; polysulfide mastic removal **cleaning** solvent

IT Hydrocarbon oils

RL: TEM (Technical or engineered material use); USES (Uses)

(Petrosolv D; **cleaning** solvent compns. for removing polysulfide mastics, tars fuel oils from surfaces)

IT **Cleaning** solventsDry **cleaning** solvents

Fuel oil

Sealing compositions

(**cleaning** solvent compns. for removing polysulfide mastics, tars fuel oils from surfaces)

IT Polysulfides

Tar  
 RL: REM (Removal or disposal); PROC (Process)  
 (cleaning solvent compns. for removing polysulfide mastics,  
 tars fuel oils from surfaces)

IT Glycols, uses  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (ethers; cleaning solvent compns. for removing polysulfide  
 mastics, tars fuel oils from surfaces)

IT Ethers, uses  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (glycol; cleaning solvent compns. for removing polysulfide  
 mastics, tars fuel oils from surfaces)

IT Metals, miscellaneous  
 RL: MSC (Miscellaneous)  
 (surface; cleaning solvent compns. for removing polysulfide  
 mastics, tars fuel oils from surfaces)

IT Glass, miscellaneous  
 RL: MSC (Miscellaneous)  
 (surfaces; cleaning solvent compns. for removing polysulfide  
 mastics, tars fuel oils from surfaces)

IT 339058-17-2, PR 1776 339060-71-8, PR 1436G(NA) 339061-38-0, PR 1422  
 Class B(NA)  
 RL: REM (Removal or disposal); PROC (Process)  
 (cleaning solvent compns. for removing polysulfide mastics,  
 tars fuel oils from surfaces)

IT 107-41-5, 2-Methyl-2,4-pentanediol 29387-86-8, Propylene glycol  
 monobutyl ether 32518-89-1 35884-42-5, Dipropylene glycol  
 monobutyl ether 80763-10-6, Propylene glycol mono-tert-butyl ether  
 137801-32-2 339058-15-0, Jarysol XX  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (cleaning solvent compns. for removing polysulfide mastics,  
 tars fuel oils from surfaces)

IT 35884-42-5, Dipropylene glycol monobutyl ether  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (cleaning solvent compns. for removing polysulfide mastics,  
 tars fuel oils from surfaces)

RN 35884-42-5 HCAPLUS  
 CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)

n-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 17 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2001:265548 HCAPLUS  
 DN 134:297519  
 TI Fluid cleaning compositions having high levels of amine oxide  
 IN Ofosu-Asante, Kofi  
 PA The Procter & Gamble Company, USA  
 SO PCT Int. Appl., 30 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English

KATHLEEN FULLER EIC 1700 REMSON 4B28 571/272-2505

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001025379	A1	20010412	WO 2000-US27225	20001003
	W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	EP 1218475	A1	20020703	EP 2000-967272	20001003
	EP 1218475	B1	20041222		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
	US 6495510	B1	20021217	US 2000-678446	20001003
	AT 285461	E	20050115	AT 2000-967272	20001003
PRAI	US 1999-157630P	P	19991004		
	WO 2000-US27225	W	20001003		
OS	MARPAT 134:297519				
AB	The title compns. contain (a) tertiary amine oxides, e.g., C23-alkyldimethylamine oxides 0.01-20, (b) anionic, nonionic, cationic and/or zwitterionic surfactants 0.01-5, and (c) the balance detergent adjunct ingredients. The compns are free of halide bleaching agents. The compns. are preferably employed to spot-clean stains from fabrics.				
IC	ICM C11D001-75				
	ICS C11D001-83; C11D001-825; C11D001-835; C11D001-94; C11D001-86; C11D003-30; C11D003-20; D06L001-12; D06L001-04				
CC	46-6 (Surface Active Agents and Detergents)				
ST	cleaning compn amine oxide anionic surfactant; textile spot cleaning fluid compn amine oxide anionic surfactant				
IT	Amine oxides				
	RL: TEM (Technical or engineered material use); USES (Uses) (alkyldimethyl; fluid cleaning compns. having high levels of)				
IT	Surfactants				
	(anionic; fluid cleaning compns. having high levels of amine oxide)				
IT	Surfactants				
	(cationic; fluid cleaning compns. having high levels of amine oxide)				
IT	Amines, uses				
	RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses) (diamines, (cyclo)aliphatic, adjunct ingredients; fluid cleaning compns. having high levels of amine oxide)				
IT	Detergents				
	(fluid cleaning compns. having high levels of amine oxide)				
IT	Surfactants				
	(nonionic; fluid cleaning compns. having high levels of amine oxide)				
IT	Surfactants				
	(zwitterionic; fluid cleaning compns. having high levels of amine oxide)				
IT	22537-22-0, Magnesium ion, uses				
	RL: MOA (Modifier or additive use); USES (Uses) (fluid cleaning compns. having high levels of amine oxide)				



IT 35884-42-5, Butoxy propoxy propanol  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (solvent; fluid **cleaning** compns. having high levels of amine  
 oxide)

IT 7664-93-9D, Sulfuric acid, alkyl esters, uses 34870-92-3D, Polyethylene  
 glycol sulfate, alkyl ethers  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (surfactants; fluid **cleaning** compns. having high levels of  
 amine oxide)

IT 35884-42-5, Butoxy propoxy propanol  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (solvent; fluid **cleaning** compns. having high levels of amine  
 oxide)

RN 35884-42-5 HCAPLUS  
 CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)

n-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 18 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2000:731673 HCAPLUS  
 DN 133:311174  
 TI **Cleaning** compositions for **fabrics** useful for aerosol  
**carpet cleaners**  
 IN Ochomogo, Maria G.  
 PA Clorox Co., USA  
 SO Jpn. Kokai Tokkyo Koho, 9 pp.  
 CODEN: JKXXAF

DT Patent  
 LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000290696	A2	20001017	JP 1999-101921	19990409
PRAI	JP 1999-101921		19990409		

AB Title compns. comprise (a) 0.1-6% foaming surfactants, (b) 0.5-5%  
 nonvolatile hydrophobic organic solvents with water solubility at 25° <18%,  
 (c) effective amts. of emulsifiers, (d) effective amts. of propellants,  
 and (e) water, where the surfactants and solvents interact with the  
 propellants by mixing to form initial foams, which collapse without  
 abrasion into **fabric** surfaces, upon dispensing and the  
 emulsifiers emulsify the solvents after the foam collapse. Thus a composition  
 comprised Na lauryl sulfate 2.5, Na laurylsarcosinate 3.5, dipropylene  
 glycol Pr ether 3.0, polyethylene glycol monooleate 0.3, 85:15  
 isobutane-propane propellant 5.0, volatile amine/sodium benzoate corrosion  
 inhibitor 0.35, fragrance 0.5, Borox 0.75, styrene-maleic anhydride  
 copolymer 3.0, and water to 100%.

IC ICM C11D010-02  
 ICS C11D001-12; C11D003-20; C11D003-43; C11D003-48; C11D003-50;  
 C11D017-00; D06B001-02

CC 46-6 (Surface Active Agents and Detergents)

ST aerosol **carpet cleaner** compn

IT Aromatic compounds  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (C10-12, solvents; **cleaning** compns. useful for aerosol  
**carpet cleaners**)

IT **Cleaning**  
 (apparatus; **cleaning** compns. useful for aerosol **carpet  
 cleaners**)

IT Aerosols  
**Carpets**  
 Detergents  
 Emulsifying agents  
 Propellants (fuels)  
 (**cleaning** compns. useful for aerosol **carpet  
 cleaners**)

IT Petroleum products  
 (distillates, solvents; **cleaning** compns. useful for aerosol  
**carpet cleaners**)

IT Glycerides, uses  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (emulsifiers; **cleaning** compns. useful for aerosol  
**carpet cleaners**)

IT Polyamide fibers, miscellaneous  
 RL: MSC (Miscellaneous)  
 (**fabrics, carpets; cleaning** compns.  
 useful for aerosol **carpet cleaners**)

IT Surfactants  
 (foaming; **cleaning** compns. useful for aerosol **carpet  
 cleaners**)

IT 106-12-7 9004-96-0, Polyethylene glycol monooleate 25618-55-7D,  
 Polyglycerol, fatty acid esters 37220-82-9, Glycerin oleate  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (emulsifier; **cleaning** compns. useful for aerosol  
**carpet cleaners**)

IT 74-98-6, Propane, uses 75-28-5, Isobutane  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (propellant; **cleaning** compns. useful for aerosol  
**carpet cleaners**)

IT 112-25-4, Ethylene glycol monohexyl ether 29911-27-1, Dipropylene glycol  
 propyl ether 132739-31-2, Dipropylene glycol mono-tert-butyl  
 ether  
 RL: TEM (Technical or engineered material use); USES (Uses).  
 (solvent; **cleaning** compns. useful for aerosol **carpet  
 cleaners**)

IT 151-21-3, Sodium lauryl sulfate, uses 3097-08-3, Magnesium lauryl  
 sulfate 7631-98-3, Sodium N-laurylsarcosinate 14933-03-0D, Disodium  
 sulfosuccinate, lauramide derivs.  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (surfactant; **cleaning** compns. useful for aerosol  
**carpet cleaners**)

IT 132739-31-2, Dipropylene glycol mono-tert-butyl ether  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (solvent; **cleaning** compns. useful for aerosol **carpet  
 cleaners**)

RN 132739-31-2 HCAPLUS  
 CN Propanol, [2-(1,1-dimethylethoxy)methylethoxy]- (9CI) (CA INDEX NAME)

t-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

L40 ANSWER 19 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2000:623646 HCAPLUS  
 DN 133:224701  
 TI **Carpet** and rug **cleaning** composition  
 IN Peterson, David  
 PA USA  
 SO U.S., 6 pp.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6113654	A	20000905	US 1996-713273	19960912
	CA 2225589	AA	19990623	CA 1997-2225589	19971223
PRAI	US 1996-713273	A	19960912		

AB The dispensable **cleaner** includes (a) 0.5-30% organic solvent having a Hansen solubility parameter .ltorsim.10, (b) 0.1-5% emulsifying or dispersing agent, (c) 0.1-20% source of H2O2, and (d) the balance H2O, optionally sequestering agents, fragrances, builders and soil retardants. Emulsifying or dispersing agents that are surfactants have an HLB .ltorsim.10 and are particularly suited for removing oily soil from absorbent or adsorbent surfaces. An example **cleaner** contained H2O2 5, tripropylene glycol Me ether 5, Stepanol WAC 0.3, Surfonic L12-6 12.4%, and the balance water.

IC ICM D06L001-04  
 ICS C11D001-72; C11D003-395; C11D003-43

INCL 008137000

CC 46-5 (Surface Active Agents and Detergents)

ST **carpet cleaning** soln solvent detersive agent peroxide

IT Alcohols, uses  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (C10-12, ethoxylated, Surfonic L 12-2.6; **carpet** and rug **cleaning** composition)

IT Amides, uses  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (C12-14, N-(hydroxyethyl); **carpet** and rug **cleaning** composition)

IT Amine oxides  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (C12-16-alkyldimethyl; **carpet** and rug **cleaning** composition)

IT Sulfonic acids, uses  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (C14-16-1-alkenesulfonic, sodium salts; **carpet** and rug **cleaning** composition)

IT Detergents  
 (carpet and rug **cleaning** composition)

IT Betaines  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (coco alkyldimethyl; **carpet** and rug **cleaning** composition)

composition)  
 IT Surfactants  
 (nonionic; carpet and rug cleaning composition)  
 IT 112-02-7, ADOGEN 444 151-21-3, Stepanol WAC, uses 1847-58-1  
 3097-08-3, STEPANOL MG 7631-98-3, CRODASINIC LS30 7722-84-1, Hydrogen  
 peroxide, uses 9002-93-1, TRITON x100 9004-82-4, STEOL CS-230  
 25155-30-0, BIOSOFT D40 25498-49-1, Tripropylene glycol methyl ether  
 29387-86-8, Propylene glycol butyl ether 29911-27-1, Dipropylene glycol  
 propyl ether 35884-42-5, Dipropylene glycol butyl ether  
 58450-52-5, STEPAN MILDLS3 79103-93-8, PETRO BAF 159940-10-0, GLUCOPON  
 625CS  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (carpet and rug cleaning composition)  
 IT 35884-42-5, Dipropylene glycol butyl ether  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (carpet and rug cleaning composition)  
 RN 35884-42-5 HCAPLUS  
 CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)

n-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 (D1-Me)

RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 20 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2000:278158 HCAPLUS  
 DN 132:295414  
 TI Dry-cleaning compositions containing polysulfonic acid  
 IN Smith, James A.  
 PA Custom Cleaner, Inc., USA; Henkel K.-G.a.A.  
 SO PCT Int. Appl., 55 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2000023647	A1	20000427	WO 1998-US22243	19981022
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
AU 9911096	A1	20000508	AU 1999-11096	19981022
PRAI WO 1998-US22243	A	19981022		
AB	A dry-cleaning system for dryer use includes a bag for the cleaning and containment of soiled fabric articles and a dry-cleaning composition containing polysulfonic acid and water. Thus, a composition was prepared by mixing HSP-1180 2.9, Arcosolv DPNB 42.03, Arcosolv TPM 50.95, water 2.90, Tergitol 15-S-3 0.41, Igepal CO-660 0.58, and Frag DC1212 0.23% and used to remove stains from fabrics made of			

KATHLEEN FULLER EIC 1700 REMSON 4B28 571/272-2505

silk, wool, rayon etc.

IC ICM D06L001-12  
ICS D06L001-04; C11D003-37; C11D017-04

CC 46-5 (Surface Active Agents and Detergents)

ST polysulfonic acid dryer dry **cleaning**; silk wool rayon  
dry **cleaning**; surfactant gelling agent fragrance dry  
**cleaning**; plastic bag polysulfonic acid dry **cleaning**

IT Alcohols, uses  
RL: MOA (Modifier or additive use); USES (Uses)  
(C11-15-secondary, ethoxylated, Tergitol 15S3; dry-**cleaning**  
system containing polysulfonic acid and water and kit for dryer use)

IT Brightening  
(agents; dry-**cleaning** system containing polysulfonic acid and  
water and kit for dryer use)

IT Alcohols, uses  
Esters, uses  
Ketones, uses  
RL: MOA (Modifier or additive use); USES (Uses)  
(aliphatic; dry-**cleaning** system containing polysulfonic acid and  
water and kit for dryer use)

IT Ketones, uses  
RL: MOA (Modifier or additive use); USES (Uses)  
(aromatic; dry-**cleaning** system containing polysulfonic acid and  
water and kit for dryer use)

IT Antibacterial agents  
Creaseproofing  
Dry **cleaning**  
Dyes  
Fabric finishing  
Fabric softeners  
Fungicides  
Gelation agents  
Lubricants  
Mothproofing agents  
Odor and Odorous substances  
Shrinkproofing (**textiles**)  
Sizes (agents)  
Soilproofing  
Sprays  
Surfactants  
Thickening agents  
(dry-**cleaning** system containing polysulfonic acid and water and  
kit for dryer use)

IT Aldehydes, uses  
RL: MOA (Modifier or additive use); USES (Uses)  
(dry-**cleaning** system containing polysulfonic acid and water and  
kit for dryer use)

IT Glycols, uses  
RL: TEM (Technical or engineered material use); USES (Uses)  
(ethers; dry-**cleaning** system containing polysulfonic acid and  
water and kit for dryer use)

IT Rayon, uses  
RL: TEM (Technical or engineered material use); USES (Uses)  
(fabrics; dry-**cleaning** system containing polysulfonic  
acid and water and kit for dryer use)

IT Ethers, uses  
RL: TEM (Technical or engineered material use); USES (Uses)  
(glycol; dry-**cleaning** system containing polysulfonic acid and  
water and kit for dryer use)

IT Solvents

(organic; dry-cleaning system containing polysulfonic acid and water and kit for dryer use)

IT Bags  
(plastic, plastic; dry-cleaning system containing polysulfonic acid and water and kit for dryer use)

IT Sulfonic acids, uses  
RL: MOA (Modifier or additive use); USES (Uses)  
(poly-; dry-cleaning system containing polysulfonic acid and water and kit for dryer use)

IT Textiles  
(silk; dry-cleaning system containing polysulfonic acid and water and kit for dryer use)

IT Textiles  
(wool; dry-cleaning system containing polysulfonic acid and water and kit for dryer use)

IT 35884-42-5, Arcosolv DPNB  
RL: TEM (Technical or engineered material use); USES (Uses)  
(Arcosolv DPNB; dry-cleaning system containing polysulfonic acid and water and kit for dryer use)

IT 29911-27-1, Arcosolv TPM  
RL: TEM (Technical or engineered material use); USES (Uses)  
(Arcosolv TPM; dry-cleaning system containing polysulfonic acid and water and kit for dryer use)

IT 1222-05-5, Galaxolide  
RL: MOA (Modifier or additive use); USES (Uses)  
(Galaxolide; dry-cleaning system containing polysulfonic acid and water and kit for dryer use)

IT 27119-07-9, HSP-1180  
RL: MOA (Modifier or additive use); USES (Uses)  
(HSP-1180; dry-cleaning system containing polysulfonic acid and water and kit for dryer use)

IT 9016-45-9, Igepal CO-660  
RL: MOA (Modifier or additive use); USES (Uses)  
(Igepal CO-660; dry-cleaning system containing polysulfonic acid and water and kit for dryer use)

IT 57982-68-0, Naphthol methyl ether  
RL: MOA (Modifier or additive use); USES (Uses)  
(Me or Et ethers; dry-cleaning system containing polysulfonic acid and water and kit for dryer use)

IT 85-91-6, Methyl N-methylantranilate 91-64-5, Coumarin 97-53-0, Eugenol 97-54-1, Isoeugenol 101-84-8, Diphenyl oxide 101-94-0, p-Cresyl phenylacetate 119-84-6 134-20-3, Methyl anthranilate 706-14-9,  $\gamma$ -Decalactone 947-05-7, Dodecalactone 2050-08-0, Amyl salicylate 39282-36-5, Undecalactone 75440-80-1, Naphthol ethyl ether  
RL: MOA (Modifier or additive use); USES (Uses)  
(dry-cleaning system containing polysulfonic acid and water and kit for dryer use)

IT 96-48-0,  $\gamma$ -Butyrolactone 56539-66-3, 3-Methoxy-3-methyl-1-butanol 132739-31-2, Arcosolv DPNP 264923-09-3, DC 1212  
RL: TEM (Technical or engineered material use); USES (Uses)  
(dry-cleaning system containing polysulfonic acid and water and kit for dryer use)

IT 35884-42-5, Arcosolv DPNB  
RL: TEM (Technical or engineered material use); USES (Uses)  
(Arcosolv DPNB; dry-cleaning system containing polysulfonic acid and water and kit for dryer use)

RN 35884-42-5 HCAPLUS

CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)

n-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

IT 132739-31-2, Arcosolv DPNP

RL: TEM (Technical or engineered material use); USES (Uses)  
(dry-cleaning system containing polysulfonic acid and water and  
kit for dryer use)

RN 132739-31-2 HCAPLUS

CN Propanol, [2-(1,1-dimethylethoxy)methylethoxy]- (9CI) (CA INDEX NAME)

t-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 21 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2000:278157 HCAPLUS

DN 132:295413

TI Bleach containing compositions for stain removal and methods of heat  
activation of the bleach

IN Vanhauwermeiren, Timothy; Siklosi, Michael; Gaaloul, Sonia; Vandevenne,  
Ann

PA Procter & Gamble Co., USA

SO PCT Int. Appl., 26 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000023646	A1	20000427	WO 1999-US24023	19991013
	W:			AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM	
	RW:			GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG	
	CA 2346725	AA	20000427	CA 1999-2346725	19991013
	BR 9914723	A	20010710	BR 1999-14723	19991013
	EP 1123434	A1	20010816	EP 1999-956554	19991013
	R:			AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO	
	JP 2002527646	T2	20020827	JP 2000-577353	19991013
	US 6514924	B1	20030204	US 2001-807152	20010409
	US 2003087781	A1	20030508	US 2002-319997	20021216
PRAI	US 1998-105253P	P	19981022		
	WO 1999-US24023	W	19991013		

US 2001-807152 A3 20010409

AB A method for **treating** a **fabric** having a discrete stained area, wherein the **fabric** has a first side and a second side, comprises the steps of: (a) applying a spot **cleaning** composition to the discrete stained area of the **fabric**; (b) contacting the first side of the **fabric** adjacent the stained area with an absorbent stain receiving article; (c) subjecting the second side of the **fabric** adjacent the stained area to a heat source; (d) optionally, concurrently or consecutively with Step (a), contacting the **fabric** adjacent the stained area with a **treatment** member; and (e) optionally, applying an aqueous rinsing solution to the **fabric** adjacent the stained area. The spot **cleaning** composition comprises a bleach, a solvent, a surfactant and water. Also provided are spot removal kits that include instructions for performing the present spot removal methods, and a process for **cleaning** and refreshing **fabrics** that can optionally be performed before or after the present spot removal methods.

IC ICM D06L001-04  
ICS C11D011-00; C11D003-20

CC 46-5 (Surface Active Agents and Detergents)  
Section cross-reference(s): 40

ST bleach spot **cleaning** compn

IT Surfactants  
(amphoteric; bleach containing compns. for stain removal and methods of heat activation of the bleach)

IT Surfactants  
(anionic; bleach containing compns. for stain removal and methods of heat activation of the bleach)

IT Bleaching agents  
**Textiles**  
(bleach containing compns. for stain removal and methods of heat activation of the bleach)

IT Surfactants  
(cationic; bleach containing compns. for stain removal and methods of heat activation of the bleach)

IT Glycols, uses  
Glycols, uses  
RL: NUU (Other use, unclassified); USES (Uses)  
(ethers, solvent; bleach containing compns. for stain removal and methods of heat activation of the bleach)

IT Ethers, uses  
Ethers, uses  
RL: NUU (Other use, unclassified); USES (Uses)  
(glycol, solvent; bleach containing compns. for stain removal and methods of heat activation of the bleach)

IT Surfactants  
(nonionic; bleach containing compns. for stain removal and methods of heat activation of the bleach)

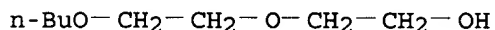
IT Surfactants  
(zwitterionic; bleach containing compns. for stain removal and methods of heat activation of the bleach)

IT 7722-84-1, Hydrogen peroxide, uses  
RL: TEM (Technical or engineered material use); USES (Uses)  
(bleach containing compns. for stain removal and methods of heat activation of the bleach)

IT 29387-86-8, Butoxy propanol 30025-38-8, Ethoxy propoxy propanol 34590-94-8; Methoxy propoxy propanol 35884-42-5, Butoxy propoxy propanol 127303-87-1, Propoxy propoxy propanol  
RL: NUU (Other use, unclassified); USES (Uses)  
(solvent; bleach containing compns. for stain removal and methods of heat



activation of the bleach)  
 IT 35884-42-5, Butoxy propoxy propanol  
 RL: NUU (Other use, unclassified); USES (Uses)  
 (solvent; bleach containing compns. for stain removal and methods of heat  
 activation of the bleach)  
 RN 35884-42-5 HCAPLUS  
 CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)



2 ( D1-Me )

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 22 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2000:201040 HCAPLUS  
 DN 132:238725  
 TI Dry **cleaning** method and modified cyclic silicone solvent for  
**cleaning of delicate garments**  
 IN Berndt, Wolf-dieter R.  
 PA Greenearth Cleaning, Llc, USA  
 SO U.S., 8 pp., Cont.-in-part of Ser. No. US 1998-115352, filed on 14 Jul  
 1998, now  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 9

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6042617	A	20000328	US 1999-304430	19990503
	US 5865852	A	19990202	US 1997-918629	19970822
	US 5942007	A	19990824	US 1998-115352	19980714
	CA 2337363	AA	20000127	CA 1999-2337363	19990714
	CA 2337441	AA	20000127	CA 1999-2337441	19990714
	WO 2000004222	A1	20000127	WO 1999-US15923	19990714
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9951017	A1	20000207	AU 1999-51017	19990714
	AU 754432	B2	20021114		
	TR 200100318	T2	20010821	TR 2001-200100318	19990714
	NZ 509385	A	20021220	NZ 1999-509385	19990714
	CZ 291465	B6	20030312	CZ 2001-35	19990714
	NO 2001000232	A	20010314	NO 2001-232	20010112
PRAI	US 1997-918629	A2	19970822		
	US 1998-115352	A2	19980714		
	US 1999-304430	A	19990503		
	WO 1999-US15920	W	19990714		
	WO 1999-US15923	W	19990714		

AB A dry **cleaning** system for dry **cleaning** articles (e.g., **clothing; textiles**) uses a specific solvent derived from an organic/inorg. hybrid (organo cyclic silicone). The cyclic-siloxane-based solvent is modified with a chemical selected from 2-ethylhexyl acetate, esters, glycol ether DPM acetate, glycol ether acetate, 2-ethylhexyl alc., cyclohexanol, hexanol, glycol ether PTB, glycol ether DPTB, and glycol ether DPNP.

IC ICM D06L001-02  
ICS D06L001-04

INCL 008142000

CC 46-5 (Surface Active Agents and Detergents)

ST cyclic silicone solvent dry **cleaning**; ethylhexyl acetate modified cyclosiloxane solvent; ester modified cyclosiloxane solvent; alc modified cyclosiloxane solvent; ether modified cyclosiloxane solvent; non perchloroethylene dry **cleaning** system

IT Dry **cleaning** solvents  
(dry **cleaning** using cyclic siloxane-based solvents and)

IT Alcohols, uses  
Cyclosiloxanes  
Esters, uses  
Ethers, uses  
RL: TEM (Technical or engineered material use); USES (Uses)  
(dry **cleaning** using cyclic siloxane-based solvents and)

IT Detergents  
(dry-**cleaning**; dry **cleaning** using cyclic siloxane-based solvents)

IT Glycols, uses  
Glycols, uses  
RL: TEM (Technical or engineered material use); USES (Uses)  
(ethers; dry **cleaning** using cyclic siloxane-based solvents and)

IT Ethers, uses  
Ethers, uses  
RL: TEM (Technical or engineered material use); USES (Uses)  
(glycol; dry **cleaning** using cyclic siloxane-based solvents and)

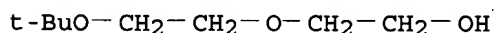
IT 541-02-6, Decamethylcyclopentasiloxane 556-67-2, Octamethylcyclotetrasiloxane  
RL: TEM (Technical or engineered material use); USES (Uses)  
(dry **cleaning** using cyclic siloxane-based solvents)

IT 103-09-3, 2-Ethylhexyl acetate 104-76-7, 2-Ethylhexanol 108-93-0, Cyclohexanol, uses 540-97-6, Dodecamethyl-cyclo-hexasiloxane 25917-35-5, Hexanol 80763-10-6 88917-22-0, Dipropylene glycol methyl ether acetate 127303-87-1 132739-31-2  
RL: TEM (Technical or engineered material use); USES (Uses)  
(dry **cleaning** using cyclic siloxane-based solvents and)

IT 132739-31-2  
RL: TEM (Technical or engineered material use); USES (Uses)  
(dry **cleaning** using cyclic siloxane-based solvents and)

RN 132739-31-2 HCAPLUS

CN Propanol, [2-(1,1-dimethylethoxy)methylethoxy]- (9CI) (CA INDEX NAME)



2 ( D1-Me )

RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 23 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1999:733026 HCAPLUS

DN 131:338649

TI Acaricidal **carpet cleaning** composition comprising  
esterified and non-esterified ethoxylated glycerol mixture

IN Zocchi, Germaine; Kong, Betty; Mondin, Myriam; Mahieu, Marianne

PA Colgate-Palmolive Co., USA

SO U.S., 9 pp., Cont.-in-part of U.S. Ser. No. 938,685.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 25

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5985814	A	19991116	US 1998-109656	19980702
	ZA 9405565	A	19960129	ZA 1994-5565	19940727
	PL 184267	B1	20020930	PL 1994-346263	19940804
	US 5610130	A	19970311	US 1996-650211	19960520
	US 5942482	A	19990824	US 1997-938685	19970926
PRAI	US 1993-102314	B2	19930804		
	US 1993-155317	B2	19931122		
	US 1994-192118	B2	19940203		
	US 1995-523562	A2	19950905		
	US 1996-553183	B2	19960212		
	US 1996-671471	B2	19960628		
	US 1997-938685	A2	19970926		
	US 1994-228538	B2	19940415		
	US 1995-381606	B1	19950130		

OS MARPAT 131:338649

AB An improvement is described in the **carpet** compns. which is especially effective in killing dust mites, contains an anionic detergent, an ethoxylated glycerol type compound, a hydrocarbon ingredient, at least one cosurfactant, an acaricidal agent, and water. The **carpet cleaning** formulation contained deionized water 80.93, C14-17 sodium paraffin sulfonate 3.92, esterified polyethoxy ether 1.15, magnesium sulfate heptahydrate 1.10, diethylene glycol monobutyl ether 2.00, stripped coconut oil fatty acids 0.37, 38% caustic soda 0.030, N-silicate (1:3.26) 0.20, perfume 0.21, hydrocarbon propellant mixture 10.00 and benzyl benzoate 0.09%.

IC ICM C11D003-48

ICS C11D003-50; C11D003-60

INCL 510280000

CC 46-6 (Surface Active Agents and Detergents)

ST acaricidal **carpet cleaning** ethoxylated glycerol

IT Sulfonic acids, uses

RL: TEM (Technical or engineered material use); USES (Uses)  
(C13-17-alkanesulfonic, sodium salts; acaricidal **carpet cleaning** composition comprising esterified and nonesterified ethoxylated glycerol mixture)

IT Aldehydes, uses

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)  
(C6-14; acaricidal **carpet cleaning** composition comprising esterified and nonesterified ethoxylated glycerol mixture)

IT Fatty acids, uses

RL: MOA (Modifier or additive use); USES (Uses)

(C8-22; acaricidal **carpet cleaning** composition comprising esterified and nonesterified ethoxylated glycerol mixture)

IT Acaricides  
**Carpets**  
 Detergents  
 Propellants (sprays and foams)  
 Surfactants  
 (acaricidal **carpet cleaning** composition comprising esterified and nonesterified ethoxylated glycerol mixture)

IT Silicates, uses  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (acaricidal **carpet cleaning** composition comprising esterified and nonesterified ethoxylated glycerol mixture)

IT Surfactants  
 (anionic; acaricidal **carpet cleaning** composition comprising esterified and nonesterified ethoxylated glycerol mixture)

IT Glycols, uses  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (ethers; acaricidal **carpet cleaning** composition comprising esterified and nonesterified ethoxylated glycerol mixture)

IT Ethers, uses  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (glycol; acaricidal **carpet cleaning** composition comprising esterified and nonesterified ethoxylated glycerol mixture)

IT 29387-86-8, Propylene glycol monobutyl ether  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (7acaricidal **carpet cleaning** composition comprising esterified and nonesterified ethoxylated glycerol mixture)

IT 94-47-3, Phenyl ethyl benzoate 99-49-0, Carvone 100-52-7, Benzaldehyde, uses 118-55-8, Phenyl salicylate 119-36-8, Methyl salicylate 120-51-4, Benzyl benzoate 5392-40-5, Citral  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)  
 (acaricidal **carpet cleaning** composition comprising esterified and nonesterified ethoxylated glycerol mixture)

IT 98-11-3D, Benzenesulfonic acid, C9-15 alkyl derivs., sodium salts, uses 111-76-2, Ethylene glycol monobutyl ether 112-34-5, Diethylene glycol monobutyl ether 143-22-6, Triethylene glycol monobutyl ether 1309-48-4, Magnesium oxide (MgO), uses 1320-67-8, Propylene glycol monomethyl ether 7487-88-9, Sulfuric acid magnesium salt (1:1), uses 7786-30-3, Magnesium chloride (MgCl<sub>2</sub>), uses 10034-99-8, Magnesium sulfate heptahydrate 25498-49-1, TriPropylene glycol monomethyl ether 31694-55-0 34590-94-8, DiPropylene glycol monomethyl ether 35884-42-5, DiPropylene glycol monobutyl ether 55934-93-5, TriPropylene glycol monobutyl ether 80763-10-6, Propylene glycol mono-tert-butyl ether  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (acaricidal **carpet cleaning** composition comprising esterified and nonesterified ethoxylated glycerol mixture)

IT 35884-42-5, DiPropylene glycol monobutyl ether  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (acaricidal **carpet cleaning** composition comprising esterified and nonesterified ethoxylated glycerol mixture)

RN 35884-42-5 HCAPLUS

CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)

n-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 24 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1999:571802 HCAPLUS

DN 131:186610

TI Sprayable **cleaning** composition comprising acaricidal agent

IN Fonsny, Pierre; Mahieu, Marianne; Zocchi, Germaine; Kong, Betty

PA Colgate Palmolive Company, USA

SO U.S., 8 pp., Cont.-in-part of U.S. Ser. No. 938,637, abandoned.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5948743	A	19990907	US 1998-109794	19980702
	US 5719114	A	19980217	US 1996-671470	19960628
PRAI	US 1996-671470	A2	19960628		
	US 1997-801725	B2	19970210		
	US 1997-938637	B2	19970926		
AB	A title composition, useful for <b>cleaning</b> soft surfaces and effective in killing dust mites on mattresses and <b>upholstery</b> surfaces, comprises nonionic and/or cationic surfactants, a H <sub>2</sub> O-mixable cosurfactant, e.g., HOCH <sub>2</sub> CH <sub>2</sub> OCH <sub>2</sub> CH <sub>2</sub> OBu, a H <sub>2</sub> O-insol. hydrocarbon, essential oil or perfume, piperonyl butoxide, d-phenothrin and ≥1 supplemental acaricidal agent, e.g., Ph salicylate, in H <sub>2</sub> O (provisos are given).				
IC	ICM C11D003-48				
	ICS C11D003-50; C11D003-60				
INCL	510280000				
CC	46-6 (Surface Active Agents and Detergents) Section cross-reference(s): 5				
ST	detergent aq compn acaricide additive dust mite; piperonyl butoxide acaricide aq detergent compn dust mite; miticide piperonyl butoxide aq detergent compn dust mite; phenothrin additive aq detergent compn dust mite; phenyl salicylate acaricide aq detergent compn dust mite; diethylene glycol monobutyl ether cosurfactant aq detergent compn acaricide				
IT	Polyoxyalkylenes, uses RL: TEM (Technical or engineered material use); USES (Uses) (C9-11 monoalkyl ethers, surfactants; sprayable <b>cleaning</b> composition comprising acaricidal agents and surfactants)				
IT	Alcohols, uses RL: TEM (Technical or engineered material use); USES (Uses) (C9-11, ethoxylated, surfactants; sprayable <b>cleaning</b> composition comprising acaricidal agents and)				
IT	Surfactants (cationic; sprayable <b>cleaning</b> composition comprising acaricidal agents and)				
IT	Detergents (liquid; sprayable <b>cleaning</b> composition comprising acaricidal agents and surfactants)				

IT Surfactants  
(nonionic; sprayable **cleaning** composition comprising acaricidal agents and)

IT Acaricides  
(sprayable **cleaning** composition comprising acaricidal agents and surfactants)

IT Perfumes  
(sprayable **cleaning** composition comprising acaricidal agents and surfactants and)

IT Essential oils  
RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)  
(sprayable **cleaning** composition comprising acaricidal agents and surfactants and)

IT Hydrocarbons, uses  
RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)  
(sprayable **cleaning** composition comprising acaricidal agents and surfactants and water-insol.)

IT 111-76-2, Ethylene glycol monobutyl ether 112-34-5, Diethylene glycol monobutyl ether 143-22-6, Triethylene glycol monobutyl ether 1559-34-8, Tetraethylene glycol monobutyl ether 29387-86-8, Propylene glycol monobutyl ether **35884-42-5**, Dipropylene glycol monobutyl ether 55934-93-5, Tripropylene glycol monobutyl ether 80763-10-6, Propylene glycol mono-tert-butyl ether  
RL: TEM (Technical or engineered material use); USES (Uses)  
(cosurfactant; sprayable **cleaning** composition comprising acaricidal agent and)

IT 51-03-6, Piperonyl butoxide 26002-80-2, Phenothrin  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)  
(sprayable **cleaning** composition comprising acaricidal agent)

IT 99-76-3, Methyl p-hydroxy benzoate 100-51-6, Benzyl alcohol, uses 118-55-8, Phenyl salicylate 118-58-1, Benzyl salicylate 120-51-4, Benzyl benzoate  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)  
(supplemental acaricide; sprayable **cleaning** composition comprising acaricidal agent)

IT 25322-68-3D, Polyethylene glycol, C9-11 monoalkyl ethers  
RL: TEM (Technical or engineered material use); USES (Uses)  
(surfactants; sprayable **cleaning** composition comprising acaricidal agents and surfactants)

IT **35884-42-5**, Dipropylene glycol monobutyl ether  
RL: TEM (Technical or engineered material use); USES (Uses)  
(cosurfactant; sprayable **cleaning** composition comprising acaricidal agent and)

RN 35884-42-5 HCAPLUS

CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)

n-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 25 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN  
AN 1999:537938 HCAPLUS  
DN 131:171912  
TI Acaricidal **carpet cleaning** composition comprising  
esterified and non-esterified ethoxylated glycerol mixture  
IN Zocchi, Germaine; Kong, Betty; Mondin, Myriam; Mahieu, Marianne  
PA Colgate Palmolive Co., USA  
SO U.S., 11 pp., Cont.-in-part U. S. Ser. No. 671,471, abandoned.  
CODEN: USXXAM  
DT Patent  
LA English  
FAN.CNT 25

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5942482	A	19990824	US 1997-938685	19970926
	ZA 9405565	A	19960129	ZA 1994-5565	19940727
	PL 184267	B1	20020930	PL 1994-346263	19940804
	US 5610130	A	19970311	US 1996-650211	19960520
	US 5985814	A	19991116	US 1998-109656	19980702

PRAI	US 1993-102314	B2	19930804		
	US 1993-155317	B2	19931122		
	US 1994-192118	B2	19940203		
	US 1995-523562	A2	19950905		
	US 1996-553183	B2	19960212		
	US 1996-671471	B2	19960628		
	US 1994-228538	B2	19940415		
	US 1995-381606	B1	19950130		
	US 1997-938685	A2	19970926		

AB The title compns. contain (a) ethoxylated glycerols, (b) anionic surfactants, (c) glycol ether cosurfactants, (d) hydrocarbons, essential oils, or perfumes, (e) acaricidals, and (f) water. The compns. are especially effective in killing dust mites.

IC ICM C11D003-48  
ICS C11D003-50; C11D003-60

INCL 510280000

CC 46-6 (Surface Active Agents and Detergents)

ST acaricidal **carpet cleaning** compn ethoxylated glycerol

IT Acaricides

Perfumes

(acaricidal **carpet cleaning** composition comprising esterified and non-esterified ethoxylated glycerol mixture)

IT Essential oils

Hydrocarbons, uses

RL: TEM (Technical or engineered material use); USES (Uses)

(acaricidal **carpet cleaning** composition comprising esterified and non-esterified ethoxylated glycerol mixture)

IT Sulfonates

RL: TEM (Technical or engineered material use); USES (Uses)

(alkanesulfonates; acaricidal **carpet cleaning** composition comprising esterified and non-esterified ethoxylated glycerol mixture)

IT Surfactants

(anionic; acaricidal **carpet cleaning** composition comprising esterified and non-esterified ethoxylated glycerol mixture)

IT Detergents

(**carpet**; acaricidal **carpet cleaning** composition comprising esterified and non-esterified ethoxylated glycerol)

mixture)

IT Fatty acids, uses  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (coco, esters with polyethylene glycol ether with glycerol (3:1);  
 acaricidal **carpet cleaning** composition comprising  
 esterified and non-esterified ethoxylated glycerol mixture)

IT Glycols, uses  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (ethers, cosurfactant; acaricidal **carpet cleaning**  
 composition comprising esterified and non-esterified ethoxylated glycerol  
 mixture)

IT Ethers, uses  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (glycol, cosurfactant; acaricidal **carpet cleaning**  
 composition comprising esterified and non-esterified ethoxylated glycerol  
 mixture)

IT 98-11-3D, Benzene sulfonic acid, alkyl derivs. 111-76-2, Ethylene glycol  
 monobutyl ether 112-34-5, Diethylene glycol monobutyl ether 143-22-6,  
 Triethylene glycol monobutyl ether 1320-67-8, Propylene glycol  
 monomethyl ether 25498-49-1, Tri propylene glycol monomethyl ether  
 29387-86-8, Propylene glycol monobutyl ether 34590-94-8, Dipropylene  
 glycol monomethyl ether 35884-42-5, Dipropylene glycol monobutyl  
 ether 55934-93-5, Tri propylene glycol monobutyl ether 80763-10-6  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (acaricidal **carpet cleaning** composition comprising  
 esterified and non-esterified ethoxylated glycerol mixture)

IT 35884-42-5, Dipropylene glycol monobutyl ether  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (acaricidal **carpet cleaning** composition comprising  
 esterified and non-esterified ethoxylated glycerol mixture)

RN 35884-42-5 HCAPLUS

CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)

n-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 26 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1999:330039 HCAPLUS

DN 130:339746

TI Clear, liquid all-purpose **carpet cleaning** composition

IN Zocchi, Germaine; Kong, Betty; Mondin, Myriam; Mahieu, Marianne

PA Colgate-Palmolive Co., USA

SO U.S., 9 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5905066	A	19990518	US 1997-987544	19971209
	WO 9929824	A1	19990617	WO 1998-US26020	19981208
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,				

KATHLEEN FULLER EIC 1700 REMSON 4B28 571/272-2505



DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,  
 KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN,  
 MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,  
 TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
 RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,  
 FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,  
 CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

AU 9916318 A1 19990628 AU 1999-16318 19981208  
 PRAI US 1997-987544 A 19971209  
 WO 1998-US26020 W 19981208  
 AB A title composition free of alkali metal builders contains esterified  
 alkoxyated glycerol derivs. (structures specified) as solubilizers, a  
 C9-15 alkylbenzenesulfonate or C10-20 alkanesulfonate as anionic  
 surfactant, a glycol ether, e.g., HOCH<sub>2</sub>CH<sub>2</sub>OCH<sub>2</sub>CH<sub>2</sub>OBu, a H<sub>2</sub>O-insol.  
 hydrocarbon or a perfume, an acaricidal agent, e.g., PhCO<sub>2</sub>CH<sub>2</sub>Ph, and an  
 alkali metal silicate, in H<sub>2</sub>O.  
 IC ICM C11D003-48  
 ICS C11D003-50; C11D003-60  
 INCL 510280000  
 CC 46-6 (Surface Active Agents and Detergents)  
 ST **carpet cleaning** clear liq compn; glycerol ethoxylated  
 ester solubilizer **carpet cleaning** compn; acaricide  
 benzyl benzoate **carpet cleaning** compn  
 IT Sulfonates  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (alkanesulfonates, C10-20, sodium salts, surfactants; clear liquid  
 all-purpose **carpet cleaning** composition containing)  
 IT Surfactants  
 (anionic; clear liquid all-purpose **carpet cleaning**  
 composition containing)  
 IT **Carpets**,  
 (clear liquid all-purpose **carpet cleaning** composition)  
 IT Acaricides  
 (clear liquid all-purpose **carpet cleaning** composition  
 containing)  
 IT Solubilizers  
 (esterified ethoxylated glycerol; clear liquid all-purpose **carpet**  
**cleaning** composition containing)  
 IT Glycols, uses  
 RL: MOA (Modifier or additive use); USES (Uses)  
 (ethers; clear liquid all-purpose **carpet cleaning**  
 composition containing)  
 IT Ethers, uses  
 RL: MOA (Modifier or additive use); USES (Uses)  
 (glycol; clear liquid all-purpose **carpet cleaning**  
 composition containing)  
 IT Detergents  
 (liquid, **cleaning** agents; clear liquid all-purpose **carpet**  
**cleaning** composition)  
 IT 94-47-3, Phenylethyl benzoate 100-51-6, Benzyl alcohol, uses 100-52-7,  
 Benzaldehyde, uses 119-36-8, Methyl salicylate 120-51-4, Benzyl  
 benzoate  
 RL: MOA (Modifier or additive use); USES (Uses)  
 (acaricide; clear liquid all-purpose **carpet cleaning**  
 composition containing)  
 IT 111-76-2, Ethylene glycol monobutyl ether 112-34-5, Diethylene glycol  
 monobutyl ether 143-22-6, Triethylene glycol monobutyl ether  
 1309-48-4, Magnesium oxide, uses 1320-67-8, Propylene glycol monomethyl  
 ether 1343-98-2D, Silicic acid, alkali metal salts 7429-90-5D,  
 Aluminium, salts 7487-88-9, Magnesium sulfate, uses 7786-30-3,

Magnesium chloride, uses 25498-49-1, Tripropylene glycol monomethyl ether 29387-86-8, Propylene glycol monobutyl ether 34590-94-8, Dipropylene glycol monomethyl ether 35884-42-5, Dipropylene glycol monobutyl ether 55934-93-5, Tripropylene glycol monobutyl ether 80763-10-6, Propylene glycol mono-tert-butyl ether  
 RL: MOA (Modifier or additive use); USES (Uses)  
 (clear liquid all-purpose **carpet cleaning** composition containing)  
 IT 31694-55-0D, Polyethylene glycol glycerol ether, esterified  
 RL: MOA (Modifier or additive use); USES (Uses)  
 (solubilizers; clear liquid all-purpose **carpet cleaning** composition containing)  
 IT 98-11-3D, Benzenesulfonic acid, C9-15 alkyl derivs., uses  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (surfactants; clear liquid all-purpose **carpet cleaning** composition containing)  
 IT 35884-42-5, Dipropylene glycol monobutyl ether  
 RL: MOA (Modifier or additive use); USES (Uses)  
 (clear liquid all-purpose **carpet cleaning** composition containing)  
 RN 35884-42-5 HCAPLUS  
 CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)

n-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 27 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1999:242002 HCAPLUS  
 DN 130:283312  
 TI Dyeing of fiber materials containing polyester fibers  
 IN Strahm, Ulrich  
 PA Ciba Specialty Chemicals Holding Inc., Switz.  
 SO Eur. Pat. Appl., 12 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA German  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 906986	A2	19990407	EP 1998-810952	19980922
	EP 906986	A3	19991222		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 11152691	A2	19990608	JP 1998-271078	19980925
	US 6030419	A	20000229	US 1998-162789	19980929
	CN 1213721	A	19990414	CN 1998-120798	19980930
PRAI	EP 1997-810723	A	19971001		

OS MARPAT 130:283312

AB Lightfast dyeings on polyester fibers are obtained by using dyebaths containing disperse dyes and aliphatic glycol ethers as diffusion promoters at high temps., preferably 100-140°. Dyeing 10 g polyester fabric in a dyebath containing 0.105 g 2-[(2-cyano-4-nitrophenyl)azo]-

5-[bis(carbomethoxymethyl)amino]acetanilide and 0.5 g/L Et(OCH<sub>2</sub>CH<sub>2</sub>)<sub>2</sub>OH at bath ratio 1:20 and 140° for 90 min gave a strong red dyeing with good fastness to light and **washing**.

IC ICM D06P003-54  
ICS D06P001-651

CC 40-6 (Textiles and Fibers)

ST disperse dyeing polyester fiber; diffusion promoter disperse dyeing; glycol ether diffusion promoter; ethoxyethoxyethanol diffusion promoter dyeing

IT Polyester fibers, processes  
RL: PEP (Physical, engineering or chemical process); PROC (Process)  
(disperse dyeing of fiber materials containing polyester fibers)

IT Glycols, uses  
RL: MOA (Modifier or additive use); USES (Uses)  
(ethers, diffusion promoters; dyeing of fiber materials containing polyester fibers)

IT Ethers, uses  
RL: MOA (Modifier or additive use); USES (Uses)  
(glycol, diffusion promoters; dyeing of fiber materials containing polyester fibers)

IT Disperse dyeing  
(high-temperature; dyeing of fiber materials containing polyester fibers)

IT 111-46-6, Diethylene glycol, uses 111-77-3, Methyl carbitol 111-90-0, Ethyl carbitol 112-34-5, Butyl carbitol 112-36-7, Diethylene glycol diethyl ether 124-17-4, Butyl carbitol acetate 764-99-8, Diethylene glycol divinyl ether 24800-44-0, Tripropylene glycol 34590-94-8, Dipropylene glycol monomethyl ether 35884-42-5, Dipropylene glycol monobutyl ether 42769-21-1, Tripropylene glycol dimethyl ether 55934-93-5, Tripropylene glycol monobutyl ether 57018-52-7, 1-(tert-Butoxy)-2-propanol  
RL: MOA (Modifier or additive use); USES (Uses)  
(diffusion promoter; dyeing of fiber materials containing polyester fibers)

IT 35884-42-5, Dipropylene glycol monobutyl ether  
RL: MOA (Modifier or additive use); USES (Uses)  
(diffusion promoter; dyeing of fiber materials containing polyester fibers)

RN 35884-42-5 HCAPLUS

CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)

n-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

L40 ANSWER 28 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1999:77573 HCAPLUS

DN 130:140072

TI Water-stabilized organosilane compounds and their use as antimicrobial agents

IN Elfersy, Jacques E.; Berkner, Joachim; Moses, Timothy C.

PA Bioshield Technologies, Inc., USA

SO PCT Int. Appl., 50 pp.  
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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KATHLEEN FULLER EIC 1700 REMSON 4B28 571/272-2505

PI	WO 9903865	A1	19990128	WO 1998-US14845	19980717
	W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HR, HU, ID, IL, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	US 6113815	A	20000905	US 1998-116636	19980716
	CA 2296397	AA	19990128	CA 1998-2296397	19980717
	AU 9884951	A1	19990210	AU 1998-84951	19980717
	EP 996624	A1	20000503	EP 1998-935768	19980717
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	BR 9811509	A	20000926	BR 1998-11509	19980717
	JP 2001510206	T2	20010731	JP 2000-503088	19980717
	MX 200000627	A	20001020	MX 2000-627	20000117
	US 2003180440	A1	20030925	US 2003-392746	20030319
PRAI	US 1997-53155P	P	19970718		
	US 1998-116636	A1	19980716		
	WO 1998-US14845	W	19980717		
	US 2000-654232	B1	20000902		
OS	MARPAT 130:140072				
AB	Water-stabilized organosilane compds. are contained in water-stable compns. comprising the silane compds. and ethers. A substrate can be <b>treated</b> by mixing or contacting the substrate with the compds. or the compns. of this invention for a period of time to obtain antimicrobial or UV-protecting effects, where the substrates to be <b>treated</b> are <b>fabrics</b> , food articles, fluid containers, and latex medical goods.				
IC	ICM C07F007-18				
	ICS C09D183-08				
CC	37-6 (Plastics Manufacture and Processing)				
	Section cross-reference(s): 17, 29, 42, 63				
ST	silane water stabilized antimicrobial agent				
IT	Containers				
	(food; water-stabilized organosilane compds. and their use as antimicrobial agents)				
IT	Medical goods				
	(gloves; water-stabilized organosilane compds. and their use as antimicrobial agents)				
IT	Gloves				
	(medical; water-stabilized organosilane compds. and their use as antimicrobial agents)				
IT	Antimicrobial agents				
	Medical goods				
	(water-stabilized organosilane compds. and their use as antimicrobial agents)				
IT	Silanes				
	RL: MOA (Modifier or additive use); USES (Uses)				
	(water-stabilized organosilane compds. and their use as antimicrobial agents)				
IT	108-95-2, Phenol, uses 111-77-3, Diethylene glycol methyl ether 9004-78-8, Polyethylene glycol monophenyl ether 9005-63-4 9016-45-9 9036-19-5, Polyethylene glycol mono-octylphenyl ether 25498-49-1, Tripropylene glycol methyl ether 29387-86-8, Propylene glycol butyl ether 35884-42-5, Dipropylene glycol butyl ether 55934-93-5, Tripropylene glycol butyl ether				
	RL: TEM (Technical or engineered material use); USES (Uses)				
	(composition of water-stabilized organosilane compds. and their use as				

## antimicrobial agents)

IT 75-54-7 75-78-5 75-79-6, Methyltrichlorosilane 75-94-5,  
 Trichlorovinylsilane 78-07-9, Ethyltriethoxysilane 78-08-0,  
 Triethoxyvinylsilane 80-10-4, Dichlorodiphenylsilane 98-13-5,  
 Phenyltrichlorosilane 115-21-9, Ethyltrichlorosilane 141-57-1,  
 Propyltrichlorosilane 149-74-6, Dichloromethylphenylsilane 775-56-4,  
 Diethoxymethylphenylsilane 919-30-2 1067-25-0, Propyltrimethoxysilane  
 1112-39-6, Dimethoxydimethylsilane 1185-55-3 1760-24-3 2344-83-4,  
 3-Chloropropyltrimethylsilane 2530-83-8, 3-Glycidyloxypropyltrimethoxysi  
 lane 2530-85-0 2530-87-2 2550-06-3 2602-34-8 2768-02-7  
 2943-75-1, n-Octyltriethoxysilane 2996-92-1 3069-42-9,  
 Octadecyltrimethoxysilane 4130-08-9, Triacetoxylvinylsilane 5089-70-3  
 5314-55-6, Ethyltrimethoxysilane 5356-85-4 5581-66-8,  
 Methyltripropoxysilane 10025-78-2, Trichlorosilane 10026-04-7,  
 Tetrachlorosilane 10088-50-3 13688-90-9, Trichloro[4-  
 (chloromethyl)phenyl]silane 13822-56-5 13829-21-5,  
 Decyltrichlorosilane 14579-03-4 16753-62-1, Dimethoxymethylvinylsilane  
 17096-07-0 17887-45-5 18395-30-7, Isobutyltrimethoxysilane  
 21142-29-0, 3-Methacryloyloxypropyltriethoxysilane 27668-52-6,  
 3-(Trimethoxysilyl)propyldimethyloctadecylammonium chloride 27668-53-7  
 31001-77-1, 3-(Dimethoxymethylsilyl)-1-propanethiol 35141-36-7  
 41051-80-3, 3-(Diethylamino)propyltrimethoxysilane 41591-87-1  
 41591-88-2 41591-90-6 50975-76-3 53662-11-6 58274-32-1  
 62117-57-1 68092-72-8 68959-20-6 76995-03-4 83354-12-5  
 96305-13-4 98046-76-5 106415-29-6 110338-17-5 117856-01-6  
 143203-33-2 154380-29-7 199524-07-7 199524-08-8 199524-09-9  
 199524-10-2 199524-11-3 199524-12-4 199524-13-5 199524-14-6  
 199524-15-7 199524-16-8 199524-17-9 199524-18-0 199524-19-1  
 199524-20-4 199524-21-5 199524-22-6 199524-23-7 199524-24-8  
 199524-25-9 199524-26-0 199524-27-1 199524-28-2 199524-29-3  
 220047-68-7 220047-70-1 220047-72-3 220047-74-5 220047-76-7  
 220047-77-8 220047-79-0 220047-81-4 220047-83-6 220047-85-8  
 220047-87-0 220047-89-2 220047-91-6 220047-93-8 220047-96-1  
 220047-98-3 220048-00-0 220048-01-1 220048-02-2 220048-03-3  
 220048-04-4 220048-05-5 220048-06-6 220048-07-7 220048-08-8  
 220048-09-9 220048-10-2 220048-11-3 220048-12-4 220048-13-5  
 220048-14-6 220048-15-7 220048-16-8 220048-17-9 220048-18-0  
 220048-19-1 220048-20-4 220048-21-5 220048-22-6 220048-24-8  
 220048-25-9 220048-26-0 220048-27-1 220048-28-2 220048-29-3  
 220048-30-6 220048-31-7 220048-32-8 220048-33-9 220048-34-0  
 220048-35-1 220048-36-2 220048-37-3 220048-38-4

RL: MOA (Modifier or additive use); USES (Uses)

(water-stabilized organosilane compds. and their use as antimicrobial agents)

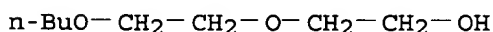
IT 35884-42-5, Dipropylene glycol butyl ether

RL: TEM (Technical or engineered material use); USES (Uses)

(composition of water-stabilized organosilane compds. and their use as antimicrobial agents)

RN 35884-42-5 HCAPLUS

CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)



2 ( D1-Me )

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD

KATHLEEN FULLER EIC 1700 REMSON 4B28 571/272-2505

## ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 29 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1998:631321 HCAPLUS

DN 129:277695

TI Non-aqueous, particulate-containing liquid detergent compositions with elasticized, surfactant-structured liquid phase

IN Kahn, Jay I.; Smerznak, Mark A.; Meyer, Axel; Garland, Angela L.; Becks, Vincent J.; Boutique, Jean-pol

PA The Procter &amp; Gamble Co., USA

SO U.S., 12 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5814592	A	19980929	US 1997-881458	19970624
PRAI	US 1997-881458		19970624		

AB Disclosed are non-aqueous, particulate-containing liquid laundry detergent compns.

which are in the form of a suspension of particulate material, including peroxygen bleaching agent and an organic detergent builder, dispersed in a liquid phase structured with a surfactant and elasticized with finely divided particulate material such as silica or titanium dioxide. Such compns. provide especially desirable **cleaning** and bleaching of **fabrics** laundered therewith and also exhibit especially desirable pourability and chemical and phase stability.

IC ICM C11D017-00

ICS C11D001-83; C11D003-39

INCL 510304000

CC 46-5 (Surface Active Agents and Detergents)

ST detergent compn nonaq liq phase; particulate suspension detergent compn

IT Alcohols, uses

RL: TEM (Technical or engineered material use); USES (Uses)

(alkoxylated; non-aqueous, particulate-containing liquid detergent compns.

with

elasticized, surfactant-structured liquid phase)

IT Polyoxyalkylenes, uses

RL: TEM (Technical or engineered material use); USES (Uses)

(alkyl group-terminated; non-aqueous, particulate-containing liquid

detergent

compns. with elasticized, surfactant-structured liquid phase)

IT Surfactants

(anionic; non-aqueous, particulate-containing liquid detergent compns. with elasticized, surfactant-structured liquid phase)

IT Alcohols, uses

RL: TEM (Technical or engineered material use); USES (Uses)

(ethoxylated; non-aqueous, particulate-containing liquid detergent compns.

with

elasticized, surfactant-structured liquid phase)

IT Bleaching agents

Detergent builders

Detergents

(non-aqueous, particulate-containing liquid detergent compns. with

elasticized,

surfactant-structured liquid phase)

IT 77-92-9D, Citric acid, alkali metal salts 98-11-3D, Benzene sulfonic acid, C10-16 linear alkyl derivs. 463-79-6D, Carbonic acid, alkali metal salts, uses 497-19-8, Sodium carbonate, uses 6132-04-3, Sodium citrate

dihydrate 7631-86-9, Silica, uses 7664-93-9D, Sulfuric acid, alkali metal salts, uses 7757-82-6, Sodium sulfate, uses 11138-47-9, Sodium perborate 13463-67-7, Titanium dioxide, uses 20526-58-3 25321-41-9D, Xylenesulfonic acid, alkali metal salts 34398-01-1, Neodol 1-5 35884-42-5 60472-42-6, Sokalan CP5 91125-43-8, Sodium nonanoyloxybenzene sulfonate

RL: TEM (Technical or engineered material use); USES (Uses)

(non-aqueous, particulate-containing liquid detergent compns. with elasticized, surfactant-structured liquid phase)

IT 35884-42-5

RL: TEM (Technical or engineered material use); USES (Uses)

(non-aqueous, particulate-containing liquid detergent compns. with elasticized, surfactant-structured liquid phase)

RN 35884-42-5 HCAPLUS

CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)

n-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

RE.CNT 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 30 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1998:112481 HCAPLUS

DN 128:169014

TI Spot and overall **cleaning** of stained fabrics, and **cleaning** kit

IN Young, Terrill Alan; Noel, John Richard; Davis, Maxwell Gregory

PA Procter and Gamble Co., USA

SO PCT Int. Appl.; 64 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9805814	A2	19980212	WO 1997-US13163	19970725
	WO 9805814	A3	19980319		
	W: BR, CA, CN, JP, MX, NO				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	CA 2262856	AA	19980212	CA 1997-2262856	19970725
	EP 920550	A2	19990609	EP 1997-936242	19970725
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
	BR 9711818	A	19990831	BR 1997-11818	19970725
	CN 1232515	A	19991020	CN 1997-198425	19970725
	JP 11514055	T2	19991130	JP 1997-507995	19970725
PRAI	US 1996-22971P	P	19960802		
	WO 1997-US13163	W	19970725		

AB The title process involves placing the localized stained area of the **fabric** over and in contact with an absorbent stain receiver article; applying enough **cleaning**/refreshment composition to the **fabric** to saturate the stained area; optionally allowing the composition to penetrate the stain for 3-5 min, and removing the **fabric** from

contact with the absorbent stain receiver article. A liquid **fabric cleaning/refreshment** composition for use in a vented dryer bag comprised water 99.3, Tween 20 0.3, and perfume 0.4%.

IC ICM D06L001-02  
ICS C11D017-04; A47L025-08

CC 46-5 (Surface Active Agents and Detergents)

ST **fabric** stain remover; kit **fabric** stain remover

IT Surfactants  
(anionic; spot and overall **cleaning** of stained **fabrics**, and **cleaning** kit)

IT Surfactants  
(nonionic; spot and overall **cleaning** of stained **fabrics**, and **cleaning** kit)

IT Absorbents  
Detergents  
Emulsifying agents  
(spot and overall **cleaning** of stained **fabrics**, and **cleaning** kit)

IT Amine oxides  
RL: TEM (Technical or engineered material use); USES (Uses)  
(spot and overall **cleaning** of stained **fabrics**, and **cleaning** kit)

IT Detergents  
(stain removers; spot and overall **cleaning** of stained **fabrics**, and **cleaning** kit)

IT 9005-64-5, Tween 20 **35884-42-5**  
RL: TEM (Technical or engineered material use); USES (Uses)  
(spot and overall **cleaning** of stained **fabrics**, and **cleaning** kit)

IT **35884-42-5**  
RL: TEM (Technical or engineered material use); USES (Uses)  
(spot and overall **cleaning** of stained **fabrics**, and **cleaning** kit)

RN 35884-42-5 HCAPLUS

CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)

n-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

L40 ANSWER 31 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN  
AN 1998:105982 HCAPLUS  
DN 128:155863  
TI Dispensable compositions for **cleaning** soiled **fabrics**,  
dispensing devices, and **cleaning** therewith  
IN Ochomogo, Maria  
PA Clorox Company, USA  
SO PCT Int. Appl., 25 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 9804666	A1	19980205	WO 1997-US10335	19970618

KATHLEEN FULLER EIC 1700 REMSON 4B28 571/272-2505



W: AU, BR, CA, JP, KP, MX

RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

CA 2260921 AA 19980205 CA 1997-2260921 19970618

AU 9733937 A1 19980220 AU 1997-33937 19970618

ZA 9706647 A 19980129 ZA 1997-6647 19970725

BR 9900542 A 20000822 BR 1999-542 19990204

PRAI US 1996-690430 A 19960729

WO 1997-US10335 W 19970618

AB The title compns. contain (a) about 0.1-6% foaming surfactants; (b) about 0.5-5% non-volatile, hydrophobic organic solvents of water solubility <about 18%

at 25°; (c) an effective amount of an emulsifier; (d) an effective amount of a propellant; and (e) the balance as water; wherein the surfactant and solvent mix and interact with the propellant so as to form an initial foam upon dispensing to collapse without abrasion into a **fabric** surface and the emulsifier emulsifies the solvent after the collapse. The composition can also include magnesium lauryl sulfate which facilitates the removal of greasy dirt, corrosion inhibitor, fragrance, and/or an oxidizing agent. Use of a hydrophobic solvent/surfactant blend in the composition produces a foam that readily penetrates into the fibers of the **carpet** and emulsify and dislodge the greasy soil particles. A composition comprised Na lauryl sulfate 2.5, Na lauryl sarcosinate 3.5, dipropylene glycol Pr ether 3, polyethylene glycol monooleate 0.3, 85:15 isobutane-propane propellant 5, volatile amine/sodium benzoate corrosion inhibitor 0.35, fragrance 0.5, Borox 0.75, styrene-maleic anhydride copolymer 3, and water to 100%.

IC ICM C11D003-44

ICS D06B001-00

CC 46-6 (Surface Active Agents and Detergents)

ST dispensable laundry detergent compn; dispensing device laundry detergent  
IT **Cleaning**

(apparatus; dispensable compns. for **cleaning** soiled  
**fabrics**, dispensing devices, and **cleaning** therewith)

IT Aerosols

**Carpets**

Detergents

Emulsifying agents

Propellants (sprays and foams)

(dispensable compns. for **cleaning** soiled **fabrics**,  
dispensing devices, and **cleaning** therewith)

IT Glycerides, uses

RL: MOA (Modifier or additive use); USES (Uses)

(dispensable compns. for **cleaning** soiled **fabrics**,  
dispensing devices, and **cleaning** therewith)

IT Aromatic compounds

RL: TEM (Technical or engineered material use); USES (Uses)

(dispensable compns. for **cleaning** soiled **fabrics**,  
dispensing devices, and **cleaning** therewith)

IT Petroleum products

(distillates; dispensable compns. for **cleaning** soiled  
**fabrics**, dispensing devices, and **cleaning** therewith)

IT 106-12-7 9004-96-0, Polyethylene glycol monooleate 25496-72-4,  
Monoolein 25618-55-7D, Polyglycerol, fatty acid esters 25637-84-7,  
Diolein

RL: MOA (Modifier or additive use); USES (Uses)

(dispensable compns. for **cleaning** soiled **fabrics**,  
dispensing devices, and **cleaning** therewith)

IT 74-98-6, Propane, uses 75-28-5, Isobutane 112-25-4, Ethylene glycol  
monohexyl ether 3097-08-3, Magnesium lauryl sulfate 7631-98-3, Sodium  
N-laurylsarcosinate 29911-27-1, Dipropylene glycol propyl ether

132739-31-2, Dipropylene glycol mono-tert-butyl ether  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (dispensable compns. for **cleaning** soiled **fabrics**,  
 dispensing devices, and **cleaning** therewith)  
 IT 132739-31-2, Dipropylene glycol mono-tert-butyl ether  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (dispensable compns. for **cleaning** soiled **fabrics**,  
 dispensing devices, and **cleaning** therewith)  
 RN 132739-31-2 HCAPLUS  
 CN Propanol, [2-(1,1-dimethylethoxy)methylethoxy]- (9CI) (CA INDEX NAME)

t-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 32 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1998:59010 HCAPLUS

DN 128:90340

TI Microemulsion all purpose liquid **carpet cleaning**  
 compositions

IN Zocchi, Germaine; Kong, Betty; Mondin, Myriam; Mahieu, Marianne

PA Colgate-Palmolive Co., USA

SO PCT Int. Appl., 32 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 25

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9800497	A2	19980108	WO 1997-US10016	19970611
	WO 9800497	A3	19980625		
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	AU 9732338	A1	19980121	AU 1997-32338	19970611
PRAI	US 1996-671471	A	19960628		
	WO 1997-US10016	W	19970611		

OS MARPAT 128:90340

AB The title compns. contain 0.1-20% alkoxyated glycerol (esters), 0.1-20% anionic surfactant, 0.1-50% cosurfactant, 0.1-10% water-insol. hydrocarbon or perfume, 0.05-5% acaricide, and balance water. The compns. are environmentally friendly and are effective in killing dust mites.

IC ICM C11D001-83

ICS C11D003-18; C11D003-20; C11D003-48; C11D017-00

CC 46-4 (Surface Active Agents and Detergents)

ST microemulsion **carpet cleaning** compn; alkoxyated glycerol microemulsion **cleaner**

IT Sulfonic acids, uses

RL: TEM (Technical or engineered material use); USES (Uses)  
 (C13-17-alkane, sodium salts; microemulsion all purpose liquid  
**carpet cleaning** compns.)

IT Surfactants  
 (anionic; microemulsion all purpose liquid **carpet  
 cleaning** compns.)

IT Fatty acids, uses  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (coco, esters with polyethylene glycol ether with glycerol (3:1);  
 microemulsion all purpose liquid **carpet cleaning**  
 compns.)

IT Acaricides  
**Carpets**  
 Detergents  
 Perfumes  
 (microemulsion all purpose liquid **carpet cleaning**  
 compns.)

IT Hydrocarbons, uses  
 Polyoxyalkylenes, uses  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (microemulsion all purpose liquid **carpet cleaning**  
 compns.)

IT 79-09-4, Propionic acid, uses 79-10-7, Acrylic acid, uses 110-15-6,  
 Succinic acid, uses 110-94-1, Glutaric acid 111-76-2, Ethylene glycol  
 monobutyl ether 112-34-5, Diethylene glycol monobutyl ether 124-04-9,  
 Adipic acid, uses 143-22-6, Triethylene glycol monobutyl ether  
 1320-67-8, Propylene glycol monomethyl ether 25322-69-4, Polypropylene  
 glycol 25498-49-1, Tripropylene glycol monomethyl ether 29387-86-8,  
 Propylene glycol monobutyl ether 34590-94-8, Dipropylene glycol  
 monomethyl ether **35884-42-5**, Dipropylene glycol monobutyl ether  
 55934-93-5, Tripropylene glycol monobutyl ether 80763-10-6  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (microemulsion all purpose liquid **carpet cleaning**  
 compns.)

IT **35884-42-5**, Dipropylene glycol monobutyl ether  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (microemulsion all purpose liquid **carpet cleaning**  
 compns.)

RN 35884-42-5 HCAPLUS

CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)

n-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1- Me )

L40 ANSWER 33 OF 45 HCAPLUS 'COPYRIGHT 2005 ACS on STN  
 AN 1997:701407 HCAPLUS  
 DN 127:347952  
 TI Heat-resistant polymeric bag for dry **cleaning fabrics**  
 in hot air dryer  
 IN Davis, Maxwell Gregory; Barron, Bradford Scott; Wnuk, Andrew Julian;  
 Saslow, Julius  
 PA Procter & Gamble Co., USA  
 SO U.S., 8 pp.  
 CODEN: USXXAM

KATHLEEN FULLER EIC 1700 REMSON 4B28 571/272-2505

DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5681355	A	19971028	US 1996-694136	19960808
PRAI	US 1996-694136		19960808		

AB Dry **cleaning** process in a hot air **clothes** dryer comprises placing **fabrics** and **cleaning** composition (preferably comprises 1,2-octanediol and an alkoxypropoxypropanol carried on a hydroentangled fiber sheet.) in a flexible containment bag made of heat-resistant polymers such as nylon and polyester, sealing bag, placing bag in the dryer and **cleaning** under conventional conditions. Using the bag which retains its integrity and can be reused in dry **cleaning**, avoids unanticipated hot spots in the dryer.

IC ICM D06L001-00  
 ICS D06L001-02

INCL 008137000

CC 46-5 (Surface Active Agents and Detergents)  
 Section cross-reference(s): 40

ST polymeric bag dry **cleaning fabric**; nylon dry **cleaning** bag heat resistance; polyester dry **cleaning** bag heat resistance; octanediol alkoxypropoxypropanol dry **cleaning** compn

IT Alcohols, uses  
 RL: NUU (Other use, unclassified); USES (Uses)  
 (C12-13, solvent; heat-resistant polymeric bag for dry **cleaning fabrics** in hot air dryer)

IT Polyamides, uses  
 Polyesters, uses  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (bag; heat-resistant polymeric bag for dry **cleaning fabrics** in hot air dryer)

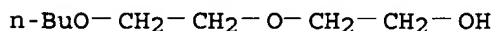
IT Bags  
 Dry **cleaning**  
 Dry **cleaning** solvents  
 Heat-resistant materials  
**Textiles**  
 (heat-resistant polymeric bag for dry **cleaning fabrics** in hot air dryer)

IT 1117-86-8, 1,2-Octanediol 30025-38-8 34590-94-8,  
 Methoxypropoxypropanol 35884-42-5 127303-87-1  
 RL: NUU (Other use, unclassified); USES (Uses)  
 (solvent; heat-resistant polymeric bag for dry **cleaning fabrics** in hot air dryer)

IT 35884-42-5  
 RL: NUU (Other use, unclassified); USES (Uses)  
 (solvent; heat-resistant polymeric bag for dry **cleaning fabrics** in hot air dryer)

RN 35884-42-5 HCAPLUS

CN Propanol, 1(or 2)-(2-butoxymethylethoxy) - (9CI) (CA INDEX NAME)



2 ( D1-Me )

L40 ANSWER 34 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1997:650240 HCAPLUS

DN 127:264592

TI Removal of stains and particulate soils by nonaqueous and aqueous **cleaners** in sequential steps

IN Yeazell, Bruce Albert; Siklosi, Michael Peter

PA Procter &amp; Gamble Company, USA

SO PCT Int. Appl., 29 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9734519	A1	19970925	WO 1997-US4299	19970318
	W: BR, CA, CZ, HU, JP, MX, PL, US				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	CA 2249334	AA	19970925	CA 1997-2249334	19970318
	EP 888077	A1	19990107	EP 1997-916052	19970318
	EP 888077	B1	20011121		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
	JP 11507107	T2	19990622	JP 1997-533619	19970318
	JP 3093282	B2	20001003		
	BR 9708128	A	19990727	BR 1997-8128	19970318
PRAI	US 1996-13760P	P	19960320		
	WO 1997-US4299	W	19970318		
AB	Stained areas of <b>fabric</b> are <b>treated</b> with a nonaq. <b>cleaning</b> composition, followed by an aqueous <b>cleaning</b> composition, and by using a hand-held device which is rocked back and forth on said stained areas. The <b>fabric</b> is then placed in a bag or other container, together with a sheet substrate releasably containing an aqueous <b>cleaning</b> composition, and the bag is tumbled in a hot air <b>clothes</b> dryer to <b>clean</b> the entire <b>fabric</b> . The spotting process also may be used prior to laundering of the <b>fabric</b> . A typical nonaq. <b>cleaner</b> was based on butoxypropoxypropanol (I) and butoxypropanol, and a typical aqueous <b>cleaner</b> contained I and 1,2-octanediol.				
IC	ICM A47L025-08				
	ICS D06L001-22; C11D003-20; C11D017-04				
CC	46-5 (Surface Active Agents and Detergents)				
ST	aq prespotting compn dry <b>cleaning</b> ; octanediol prespotting agent laundering dry <b>cleaning</b> ; butoxypropanol prespotting agent laundering dry <b>cleaning</b> ; butoxypropoxypropanol prespotting agent laundering dry <b>cleaning</b> ; nonaq prespotting compn laundering				
IT	Detergents (prespotting; removal of stains and particulate soils by nonaq. and aqueous <b>cleaners</b> in sequential spotting steps prior to dry- <b>cleaning</b> and laundering)				
IT	Dry <b>cleaning</b> Laundering (removal of stains and particulate soils by nonaq. and aqueous <b>cleaners</b> in sequential spotting steps prior to dry- <b>cleaning</b> and laundering)				
IT	1117-86-8, 1,2-Octanediol 29387-86-8, Butoxypropanol 35884-42-5 RL: TEM (Technical or engineered material use); USES (Uses) (removal of stains and particulate soils by nonaq. and aqueous <b>cleaners</b> in sequential spotting steps prior to dry- <b>cleaning</b> and laundering)				
IT	35884-42-5 RL: TEM (Technical or engineered material use); USES (Uses)				

(removal of stains and particulate soils by nonaq. and aqueous  
**cleaners** in sequential spotting steps prior to dry-  
**cleaning** and laundering)

RN 35884-42-5 HCAPLUS

CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)

n-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

L40 ANSWER 35 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1997:542508 HCAPLUS

DN 127:207322

TI **Cleaning cloth for fabric and hard surfaces**

IN Wise, Rodney Mahlon

PA Procter &amp; Gamble Co., USA; Wise, Rodney Mahlon

SO PCT Int. Appl., 29 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9729178	A1	19970814	WO 1997-US1661	19970206
	W: BR, CA, JP, MX, US				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	CA 2246231	AA	19970814	CA 1997-2246231	19970206
	EP 880582	A1	19981202	EP 1997-907551	19970206
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
	JP 11504068	T2	19990406	JP 1997-528600	19970206
	JP 3115329	B2	20001204		
	BR 9707399	A	19990720	BR 1997-7399	19970206
	US 5968204	A	19991019	US 1998-117819	19980807
PRAI	US 1996-11447P	P	19960209		
	WO 1997-US1661	W	19970206		

AB Sheets capable of developing a pos. electrostatic charge such as polyester  
**fabric**, nonwoven and chemical bonded with an acrylic latex, are used  
to dust surfaces, to **clean clothes, furniture**  
and **carpets**. A light solvent such as iso-PrOH can be used with  
the sheets to loosen gummy soils. Acrylic latex-bonded polyester  
**fabric** was moistened with a **cleaning** composition containing  
1,2-octanediol, emulsifier, and water and the sheet used in a hot air  
**clothes** dryer to remove soils from **garments**.

IC ICM C11D017-04

ICS A47L013-17; A47L025-08; C11D003-20

CC 46-6 (Surface Active Agents and Detergents)

Section cross-reference(s): 40

ST **cleaning cloth nonwoven fabric; dry**  
**cleaning wipe cloth; alc cleaning wipe**  
**cloth; surfactant cleaning refreshing dryer**  
**fabric**

IT Nonwoven fabrics

(acrylic latex bonded polyester fibers; dry wipe cloth for  
**cleaning fabric and hard surfaces**)

IT Carpets

**Clothing**

(dry wipe cloth for cleaning fabric and hard surfaces and)

IT Polyester fibers, uses

RL: TEM (Technical or engineered material use); USES (Uses)  
(fabric; dry wipe cloth for cleaning fabric and hard surfaces)

IT Acrylic polymers, uses

RL: TEM (Technical or engineered material use); USES (Uses)  
(latex bonded polyester fibers; dry wipe cloth for cleaning fabric and hard surfaces)

IT 64-17-5, Ethanol, uses 67-63-0, Isopropanol, uses 1117-86-8, 1,2-Octanediol

RL: TEM (Technical or engineered material use); USES (Uses)  
(cleaning agent for dry wipe cloth for cleaning fabric and hard surfaces)

IT 15764-24-6, Dipropylene glycol, ethyl ether 29911-27-1, Dipropylene glycol, propyl ether 34590-94-8, Dipropylene glycol, methyl ether 35075-24-2 35884-42-5, Dipropylene glycol butyl ether 181884-88-8

RL: TEM (Technical or engineered material use); USES (Uses)  
(dry wipe cloth for cleaning fabric and hard surfaces)

IT 35884-42-5, Dipropylene glycol butyl ether

RL: TEM (Technical or engineered material use); USES (Uses)  
(dry wipe cloth for cleaning fabric and hard surfaces)

RN 35884-42-5 HCAPLUS

CN. Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)

n-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

L40 ANSWER 36 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1997:541846 HCAPLUS

DN 127:191885

TI Clear, concentrated liquid fabric softener compositions

IN Grandmaire, Jean-Paul; Hermosilla, Anita

PA Colgate-Palmolive Co., USA

SO U.S., 7 pp., Cont.-in-part of U.S. 5,525,245.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5656585	A	19970812	US 1996-662714	19960610
	US 5525245	A	19960611	US 1994-361350	19941221
	CA 2253509	AA	19971218	CA 1997-2253509	19970528
	WO 9747723	A2	19971218	WO 1997-US9063	19970528
	WO 9747723	A3	19980611		

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL,

KATHLEEN FULLER EIC 1700 REMSON 4B28 571/272-2505

PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN,  
 YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
 RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB,  
 GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN,  
 ML, MR, NE, SN, TD, TG

AU 9732172	A1	19980107	AU 1997-32172	19970528
AU 737508	B2	20010823		
EP 912709	A2	19990506	EP 1997-927801	19970528
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, FI, RO				
NZ 332696	A	20000929	NZ 1997-332696	19970528
ZA 9704975	A	19981207	ZA 1997-4975	19970605
PRAI US 1994-361350	A2	19941221		
US 1996-662714	A	19960610		
WO 1997-US9063	W	19970528		

OS MARPAT 127:191885

AB Clear **fabric** softener microemulsion compns. for use in the rinse cycle comprise a combination of diester quaternary ammonium surfactants [e.g., Me bis[ethyl(oleyl)]-2-hydroxyethyl ammonium Me sulfate], diamido ammonium surfactants [e.g., Me bis-(oleyl amido ethyl)-2-hydroxyethyl ammonium Me sulfate] and selected organic solvents (e.g., lower alkanols). Fatty co-softeners and oil perfumes may be included as optional ingredients. These microemulsions are converted to macroemulsions upon dilution with water in the rinse cycle to provide a **fabric softening treatment**.

IC ICM D06M013-46  
 ICS D06M013-10

INCL 510524000

CC 40-9 (Textiles and Fibers)

ST clear concd liq **fabric** softener; diester quaternary ammonium microemulsion softener; diamido quaternary ammonium microemulsion softener

IT Ethers, uses  
 RL: NUU (Other use, unclassified); USES (Uses)  
 (aliphatic; clear, concentrated liquid **fabric** softener compns.)

IT Surfactants  
 (clear, concentrated liquid **fabric** softener compns.)

IT Glycols, uses  
 RL: NUU (Other use, unclassified); USES (Uses)  
 (clear, concentrated liquid **fabric** softener compns.)

IT Quaternary ammonium compounds, uses  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (diamido; clear, concentrated liquid **fabric** softener compns.)

IT Quaternary ammonium compounds, uses  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (diesters; clear, concentrated liquid **fabric** softener compns.)

IT Alcohols, uses  
 RL: NUU (Other use, unclassified); USES (Uses)  
 (lower; clear, concentrated liquid **fabric** softener compns.)

IT **Fabric** softeners  
 (microemulsion concentrate; clear, concentrated liquid **fabric** softener compns.)

IT 67-63-0, Isopropyl alcohol, uses 107-41-5, Hexylene glycol 111-76-2, Ethylene glycol monobutyl ether. 112-34-5, Diethylene glycol monobutyl ether. 34590-94-8, Dipropylene glycol methyl ether 35296-72-1, Butanol. 35884-42-5, Dipropylene glycol butyl ether  
 RL: NUU (Other use, unclassified); USES (Uses)  
 (clear, concentrated liquid **fabric** softener compns.)

IT 92888-37-4 97338-06-2  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (clear, concentrated liquid **fabric** softener compns.)

IT 35884-42-5, Dipropylene glycol butyl ether



RL: NUU (Other use, unclassified); USES (Uses)  
(clear, concentrated liquid **fabric** softener compns.)

RN 35884-42-5 HCAPLUS

CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)

n-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

L40 ANSWER 37 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1997:342703 HCAPLUS

DN 127:52524

TI Dry **cleaning** process with hydroentangled carrier substrates

IN Young, Terrill A.; Bavely, Jane L.; Roetker, Timothy C.; Davis, Maxwell G.

PA Procter & Gamble Company, USA

SO U.S., 8 pp., Cont.-in-part of U.S. Ser. No. 450,459, abandoned.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5630848	A	19970520	US 1995-544354	19951017
	CA 2222074	AA	19961128	CA 1996-2222074	19960423
	CA 2222074	C	20010612		
	WO 9637652	A1	19961128	WO 1996-US5578	19960423
	W: BR, CA, JP, MX, NO				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	EP 828887	A1	19980318	EP 1996-913019	19960423
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
	BR 9609126	A	19990223	BR 1996-9126	19960423
	JP 11505875	T2	19990525	JP 1996-535657	19960423
	NO 9705379	A	19980121	NO 1997-5379	19971124
PRAI	US 1995-450459	B2	19950525		
	US 1995-544354	A	19951017		
	WO 1996-US5578	W	19960423		

AB A home dry **cleaning** article is provided. Thus, a hydroentangled carrier sheet comprising mixed cellulosic, rayon, polyester, and optional bicomponent fibers which is releasably impregnated with solvents such as butoxy propoxy propanol, 1,2-octanediol as a wetting agent, water, an emulsifier, and optionally a deterative surfactant, and a perfume is prepared. The article is placed in a plastic bag with soiled **garments** and tumbled in a hot-air **clothes** dryer. The **garments** are **cleaned** and refreshed.

IC ICM D06L001-04

ICS C11D003-37; C11D003-43; C11D007-50

INCL 008137000

CC 46-5 (Surface Active Agents and Detergents)

ST dry **cleaning** sheet hydrogentangled fiber; butoxypropoxypropanol dry **cleaning** solvent

IT Alcohols, uses

RL: TEM (Technical or engineered material use); USES (Uses)

(C12-13, ethoxylated, surfactant; dry **cleaning** process with hydroentangled carrier substrates)

IT Nonwoven **fabrics**

RL: TEM (Technical or engineered material use); USES (Uses)  
 (cellulose-polyester-rayon, optional bicomponent fiber containing,  
 Hydraspun 10244; dry **cleaning** process with hydroentangled  
 carrier substrates)

IT Fibers  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (cellulosic; dry **cleaning** process with hydroentangled carrier  
 substrates)

IT Dry **cleaning**  
 Dry **cleaning** solvents  
 (dry **cleaning** process with hydroentangled carrier substrates)

IT Natural fibers  
 Polyester fibers, uses  
 Rayon, uses  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (dry **cleaning** process with hydroentangled carrier substrates)

IT Detergents  
 (stain removers; dry **cleaning** process with hydroentangled  
 carrier substrates)

IT 1117-86-8, 1,2-Octanediol 138789-85-2, Pemulen TR 1  
 RL: MOA (Modifier or additive use); USES (Uses)  
 (dry **cleaning** process with hydroentangled carrier substrates)

IT 35884-42-5  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (dry **cleaning** process with hydroentangled carrier substrates)

IT 5725-96-2D, Dimethylamine oxide, C12-16 alkyl derivs. 110341-25-8D,  
 alkyl ethers  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (surfactant; dry **cleaning** process with hydroentangled carrier  
 substrates)

IT 35884-42-5  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (dry **cleaning** process with hydroentangled carrier substrates)

RN 35884-42-5 HCAPLUS

CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)

n-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

L40 ANSWER 38 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1997:342702 HCAPLUS  
 DN 127:52523  
 TI Perfumable dry **cleaning** and spot removal process using  
 butoxypropoxypropanol  
 IN Roetker, Timothy C.  
 PA Procter & Gamble Company, USA  
 SO U.S., 9 pp., Cont.-in-part of U.S. Ser. No. 413,326, abandoned.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	US 5630847	A	19970520	US 1995-544235	19951017

KATHLEEN FULLER EIC 1700 REMSON 4B28 571/272-2505

CA 2216849	AA	19961003	CA 1996-2216849	19960304
WO 9630471	A2	19961003	WO 1996-US2883	19960304
WO 9630471	A3	19961128		
W: BR, CA, CN, FI, JP, MX, NO				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 817881	A2	19980114	EP 1996-911239	19960304
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
JP 11502885	T2	19990309	JP 1996-529403	19960304
BR 9607895	A	19990629	BR 1996-7895	19960304
US 5942484	A	19990824	US 1997-846939	19970430
PRAI US 1995-413326	B2	19950330		
US 1995-544235	A	19951017		
WO 1996-US2883	W	19960304		

AB Efficient dry **cleaning** compns. with pleasant odor qualities comprise water, butoxy propoxy propanol **cleaning** solvent, and a perfume ingredient. The compns. also comprise 1,2-octanediol as a wetting agent, and a polyacrylate emulsifier. Dry **cleaning** sheets impregnated with the composition are suitable for in home use.

IC ICM D06L001-04  
ICS C11D003-37; C11D003-43; C11D007-50

INCL 008137000

CC 46-5 (Surface Active Agents and Detergents)

ST propanol butoxy propoxy dry **cleaning** solvent;  
butoxypropoxypropanol dry **cleaning** solvent

IT Nonwoven **fabrics**  
Nonwoven **fabrics**  
RL: TEM (Technical or engineered material use); USES (Uses)  
(cellulosic, rayon-polyester-optional bicomponent, nonwoven, Hydraspun 10244; **cleaning** sheet for perfumable dry **cleaning** and spot removal process using butoxypropoxypropanol)

IT Polyester fibers, uses  
RL: TEM (Technical or engineered material use); USES (Uses)  
(**fabrics**, nonwoven; **cleaning** sheet for perfumable dry **cleaning** and spot removal process using butoxypropoxypropanol)

IT Dry **cleaning**  
Dry **cleaning** solvents  
Perfumes  
(perfumable dry **cleaning** and spot removal process using butoxypropoxypropanol)

IT Detergents  
(stain removers; perfumable dry **cleaning** and spot removal process using butoxypropoxypropanol)

IT 138789-85-2, Pemulen TR 1 145687-02-1, Pemulen TR 2  
RL: MOA (Modifier or additive use); USES (Uses)  
(emulsifier; perfumable dry **cleaning** and spot removal process using butoxypropoxypropanol)

IT 1117-86-8, 1,2-Octanediol  
RL: MOA (Modifier or additive use); USES (Uses)  
(perfumable dry **cleaning** and spot removal process using butoxypropoxypropanol)

IT 35884-42-5  
RL: TEM (Technical or engineered material use); USES (Uses)  
(perfumable dry **cleaning** and spot removal process using butoxypropoxypropanol)

IT 35884-42-5  
RL: TEM (Technical or engineered material use); USES (Uses)  
(perfumable dry **cleaning** and spot removal process using butoxypropoxypropanol)

RN 35884-42-5 HCAPLUS

CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)

n-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

L40 ANSWER 39 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1997:259767 HCAPLUS

DN 126:239893

TI Heat-resistant polymeric dry-cleaning bag and cleaning composition for use in home dryers

IN Davis, Maxwell Gregory; Barron, Bradford Scott; Wnuk, Andrew Julian; Saslow, Julius

PA Procter &amp; Gamble Company, USA

SO PCT Int. Appl., 21 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9707278	A1	19970227	WO 1996-US12976	19960809
	W: BR, CA, CN, CZ, HU, JP, MX, NO, VN				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	CA 2228310	AA	19970227	CA 1996-2228310	19960809
	EP 843756	A1	19980527	EP 1996-928833	19960809
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
PRAI	US 1995-2167P	P	19950811		
	US 1995-5684P	P	19951017		
	WO 1996-US12976	W	19960809		
AB	Fabrics are placed in a nylon and/or polyester flexible containment bag together with a <b>cleaning</b> composition and the bag sealed and placed in a conventional automatic clothes dryer for <b>cleaning</b> , without melting of the bag in dryer hot spots. The bag retains its integrity and can be re-used in subsequent dry <b>cleaning</b> operations. The <b>cleaning</b> composition preferably comprises 1,2-octanediol and an alkoxy-propoxy propanol carried on a hydroentangled fiber sheet.				
IC	ICM D06L001-00				
	ICS D06F043-00				
CC	46-5 (Surface Active Agents and Detergents)				
	Section cross-reference(s): 40				
ST	bag dry <b>cleaning</b> compn home dryer; nylon dry <b>cleaning</b> bag heat resistant; polyester dry <b>cleaning</b> bag heat resistant; octanediol <b>cleaning</b> compn home dry <b>cleaning</b> ;				
	alkoxypropoxypropanol <b>cleaning</b> compn home dry <b>cleaning</b>				
IT	Dry <b>cleaning</b>				
	(bags for; heat-resistant polymeric dry-cleaning bag and <b>cleaning</b> composition for use in home dryers)				
IT	Polyamides, uses				
	Polyesters, uses				
RL:	TEM (Technical or engineered material use); USES (Uses)				
	(dry-cleaning bag; heat-resistant polymeric dry-cleaning bag and <b>cleaning</b> composition for use in home dryers)				

IT Bags  
 (dry-cleaning; heat-resistant polymeric dry-cleaning bag and cleaning composition for use in home dryers)

IT Dry cleaning solvents  
 Heat-resistant materials  
 (heat-resistant polymeric dry-cleaning bag and cleaning composition for use in home dryers)

IT 1117-86-8, 1,2-Octanediol 30025-38-8 34590-94-8,  
 Methoxypropoxypropanol 35884-42-5 127303-87-1  
 RL: NUU (Other use, unclassified); USES (Uses)  
 (solvent; heat-resistant polymeric dry-cleaning bag and cleaning composition for use in home dryers)

IT 35884-42-5  
 RL: NUU (Other use, unclassified); USES (Uses)  
 (solvent; heat-resistant polymeric dry-cleaning bag and cleaning composition for use in home dryers)

RN 35884-42-5 HCAPLUS

CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)

n-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

L40 ANSWER 40 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1996:705810 HCAPLUS  
 DN 125:332390  
 TI Dry cleaning and spot removal composition for use at home  
 IN Siklosi, Michael Peter  
 PA Procter and Gamble Company, USA  
 SO PCT Int. Appl., 15 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9630472	A2	19961003	WO 1996-US2885	19960304
	WO 9630472	A3	19961121		
	W: BR, CA, CN, FI, JP, MX, NO				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	US 5632780	A	19970527	US 1995-544228	19951017
	EP 817880	A2	19980114	EP 1996-910358	19960304
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
	JP 11502886	T2	19990309	JP 1996-529405	19960304
	BR 9607891	A	19990518	BR 1996-7891	19960304
PRAI	US 1995-413324	A	19950330		
	US 1995-544228	A	19951017		
	WO 1996-US2885	W	19960304		
AB	1,2-Octanediol is used to clean soiled fabrics. Aqueous cleaning compns. comprising 1,2-octanediol, preferably in combination with organic solvents, are impregnated into carrier sheets. The sheets are tumbled with soiled fabrics inside a plastic bag, preferably in a clothes dryer. The resulting home dry cleaning process leaves the fabrics clean and refreshed.				

IC ICM C11D  
 CC 46-5 (Surface Active Agents and Detergents)  
 ST dry **cleaning** compn home use; octanediol dry **cleaning**  
 agent  
 IT Surfactants  
 (deterative; dry **cleaning** and spot removal composition for use at  
 home)  
 IT Emulsifying agents  
 (dry **cleaning** and spot removal composition for use at home)  
 IT Alcohols, uses  
 RL: MOA (Modifier or additive use); USES (Uses)  
 (C12-13, ethoxylated, dry **cleaning** and spot removal composition  
 for use at home)  
 IT Polyester fibers, uses  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (nonwoven, carrier sheet; dry **cleaning** and spot removal  
 composition for use at home)  
 IT 138789-85-2, Pemulen TR 1  
 RL: MOA (Modifier or additive use); USES (Uses)  
 (dry **cleaning** and spot removal composition for use at home)  
 IT 1117-86-8, 1,2-Octanediol 35884-42-5, Dipropylene glycol  
 monobutyl ether  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (dry **cleaning** and spot removal composition for use at home)  
 IT 35884-42-5, Dipropylene glycol monobutyl ether  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (dry **cleaning** and spot removal composition for use at home)  
 RN 35884-42-5 HCAPLUS  
 CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)

n-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

L40 ANSWER 41 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1996:486102 HCAPLUS  
 DN 125:199106  
 TI Translucent gel prespotting compositions containing single phase  
 microemulsion with improved **cleaning** efficacy  
 IN Klier, John; Strandburg, Gary M.; Tucker, Christopher J.  
 PA Dowbrands Inc., USA  
 SO U.S., 9 pp., Cont.-in-part of U.S. Ser. No. 42,294, abandoned.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	US 5538662	A	19960723	US 1994-330654	19941028
	US 5490948	A	19960213	US 1994-341853	19941118
PRAI	US 1993-42294	B2	19930402		
AB	A translucent prespotting composition contains a single phase liquid microemulsion at the processing temps. 40-80°. The single phase microemulsion comprises a gelling agent, ≥1 surfactants, a water immiscible solvent or a mixture of water immiscible solvents which may				

contain no more than .apprx.2 weight% water at 25° when the organic solvent is saturated with water in absence of surfactants or other additives, and water in amts. .gtorsim. 15 weight% and .ltorsim. 60 weight% of the composition

The microemulsions before gelling or solidifying may be oil continuous, water continuous, or bicontinuous. Thus, compns. of the invention were more efficacious towards used oil removal from polyester/cotton and cotton fabrics than com. products.

IC ICM C11D009-00

INCL 252122000

CC 46-5 (Surface Active Agents and Detergents)

ST prespotting compn translucent gel microemulsion; **cleaning**  
efficacy microemulsion prespotting compn

IT Alkanes, uses

RL: TEM (Technical or engineered material use); USES (Uses)  
(C10-40; single phase microemulsion translucent gel prespotting compns. with improved **cleaning** efficacy)

IT Paraffin oils

RL: TEM (Technical or engineered material use); USES (Uses)  
(Witco 40 solvent in; single phase microemulsion prespotting compns. with improved **cleaning** efficacy)

IT Alcohols, uses

RL: TEM (Technical or engineered material use); USES (Uses)  
(C11-15-secondary, ethoxylated, Tergitol 15S3 and Tergitol 15S7; single phase microemulsion translucent gel prespotting compns. with improved **cleaning** efficacy)

IT Alcohols, uses

RL: TEM (Technical or engineered material use); USES (Uses)  
(C12-13, ethoxylated, Neodol 23-3; single phase microemulsion translucent gel prespotting compns. with improved **cleaning** efficacy)

IT Alcohols, uses

RL: TEM (Technical or engineered material use); USES (Uses)  
(C12-15, ethoxylated, Neodol 25-7; single phase microemulsion translucent gel prespotting compns. with improved **cleaning** efficacy)

IT Textiles

(cotton, single phase microemulsion translucent gel prespotting compns. with improved **cleaning** efficacy)

IT Textiles

(cotton-polyester, single phase microemulsion translucent gel prespotting compns. with improved **cleaning** efficacy)

IT Lubricating oils

(crankcase, used, stain removal; single phase microemulsion translucent gel prespotting compns. with improved **cleaning** efficacy)

IT Detergents

(laundry, prespotting compns.; single phase microemulsion translucent gel prespotting compns. with improved **cleaning** efficacy)

IT Emulsions

(micro-, single-phase; single phase microemulsion translucent gel prespotting compns. with improved **cleaning** efficacy)

IT Surfactants

(nonionic, ethoxylated; single phase microemulsion translucent gel prespotting compns. with improved **cleaning** efficacy)

IT Detergents

(stain removers, single phase microemulsion translucent gel prespotting compns. with improved **cleaning** efficacy)

IT 123-01-3, Nalkylene 500

RL: TEM (Technical or engineered material use); USES (Uses)  
(detergent; single phase microemulsion translucent gel prespotting

compns. with improved **cleaning** efficacy)

IT 57-11-4, Stearic acid, uses 71-43-2D, Benzene, alkyl derivs. 143-19-1, Sodium oleate 822-16-2, Sodium stearate 1310-73-2, Sodium hydroxide, uses 3198-32-1D, Benzenesulfonate, alkyl derivs., salts, uses 7647-14-5, Sodium chloride, uses 9000-92-4, Amylase 9001-92-7, Protease 9004-78-8D, Polyethylene glycol monophenyl ether, alkyl derivs. 9016-45-9, Tergitol NP6 11130-11-3 25155-30-0, Sodium dodecylbenzene sulfonate 25322-68-3D, Polyethylene glycol, alkyl ethers 27176-87-0, Dodecylbenzenesulfonic acid 35884-42-5, Dipropylene glycol butyl ether

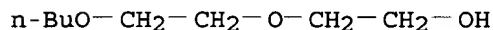
RL: TEM (Technical or engineered material use); USES (Uses)  
(single phase microemulsion translucent gel prespotting compns. with improved **cleaning** efficacy)

IT 35884-42-5, Dipropylene glycol butyl ether

RL: TEM (Technical or engineered material use); USES (Uses)  
(single phase microemulsion translucent gel prespotting compns. with improved **cleaning** efficacy)

RN 35884-42-5 HCAPLUS

CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)



2 ( D1-Me )

L40 ANSWER 42 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1996:410991 HCAPLUS

DN 125:118079

TI Clear, concentrated liquid **fabric** softener compositions

IN Grandmaire, Jean Paul; Hermosilla, Anita

PA Colgate-Palmolive Co., USA

SO U.S., 7 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5525245	A	19960611	US 1994-361350	19941221
	ZA 9510746	A	19970618	ZA 1995-10746	19951218
	CA 2208368	AA	19960627	CA 1995-2208368	19951219
	WO 9619552	A1	19960627	WO 1995-US16605	19951219
	W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT				
	RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9645250	A1	19960710	AU 1996-45250	19951219
	AU 691720	B2	19980521		
	EP 801672	A1	19971022	EP 1995-943905	19951219
	EP 801672	B1	20011004		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE				
	CN 1173199	A	19980211	CN 1995-197425	19951219
	CN 1076754	B	20011226		



BR 9510472	A	19980526	BR 1995-10472	19951219
HU 77479	A2	19980528	HU 1997-2278	19951219
JP 10511146	T2	19981027	JP 1995-519970	19951219
RU 2141998	C1	19991127	RU 1997-112103	19951219
RO 115174	B1	19991130	RO 1997-1146	19951219
AT 206449	E	20011015	AT 1995-943905	19951219
ES 2165442	T3	20020316	ES 1995-943905	19951219
PT 801672	T	20020328	PT 1995-943905	19951219
PL 183106	B1	20020531	PL 1995-321433	19951219
CZ 294506	B6	20050112	CZ 1997-1925	19951219
IL 116474	A1	20000217	IL 1995-116474	19951220
US 5656585	A	19970812	US 1996-662714	19960610
FI 9702647	A	19970818	FI 1997-2647	19970619
PRAI US 1994-361350	A	19941221		
WO 1995-US16605	W	19951219		
OS	MARPAT 125:118079			
AB	Clear <b>fabric</b> softener microemulsion compns. have been developed for use in the rinse cycle comprising a combination of diester quaternary ammonium surfactants, diamido ammonium surfactants and selected organic solvents. Fatty co-softeners and oil perfumes may be included as optional ingredients. These microemulsions are converted to macroemulsions upon dilution with water in the rinse cycle to provide a <b>fabric</b> softening <b>treatment</b> . A microemulsion containing water 48.03, hexylene glycol 21.2, Dobanol 91-8 2.5, an oil perfume 1.27, and methylbis[ethyl(oley)]-2-hydroxyethyl ammonium Me sulfate 28 parts remained stable for 6 wk and turned into a milky macroemulsion upon dilution with water.			
IC	ICM D06M013-46			
	ICS D06M013-10			
INCL	252008800			
CC	46-4 (Surface Active Agents and Detergents)			
ST	liq <b>fabric</b> softener compn; diester quaternary ammonium surfactant softener			
IT	Quaternary ammonium compounds, uses			
	RL: TEM (Technical or engineered material use); USES (Uses)			
	(clear, concentrated liquid <b>fabric</b> softener compns.)			
IT	Softening agents			
	(for <b>textiles</b> ; clear, concentrated liquid <b>fabric</b> softener compns.)			
IT	Surfactants			
	(quaternary ammonium; clear, concentrated liquid <b>fabric</b> softener compns.)			
IT	57-50-1D, Sucrose, cocoate 67-63-0, Isopropanol, uses 71-36-3, 1-Butanol, uses 107-41-5, Hexylene glycol 111-76-2, Ethylene glycol monobutyl ether 112-34-5, Diethylene glycol monobutyl ether 143-28-2, Oleyl alcohol 9004-96-0, Polyethylene glycol monooleate 25496-72-4, Glycerol monooleate 34590-94-8, Dipropylene glycol methyl ether 35884-42-5, Dipropylene glycol butyl ether 92888-37-4 97338-06-2			
	RL: TEM (Technical or engineered material use); USES (Uses)			
	(clear, concentrated liquid <b>fabric</b> softener compns.)			
IT	35884-42-5, Dipropylene glycol butyl ether			
	RL: TEM (Technical or engineered material use); USES (Uses)			
	(clear, concentrated liquid <b>fabric</b> softener compns.)			
RN	35884-42-5 HCAPLUS			
CN	Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)			

n-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

L40 ANSWER 43 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1996:388615 HCAPLUS  
 DN 125:118067  
 TI Liquid-crystal detergent compositions  
 IN Durbut, Patrick J.; Mondin, Myriam M.; Broze, Guy J.  
 PA Colgate-Palmolive Co., USA  
 SO U.S., 11 pp., Continuation-in-part of U.S. Ser. No. 96, 501, abandoned.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 13

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5523013	A	19960604	US 1994-334107	19941104
	US 5035826	A	19910730	US 1989-411280	19890922
	US 5707957	A	19980113	US 1996-611925	19960306
	US 5723431	A	19980303	US 1996-639137	19960426
	US 5741770	A	19980421	US 1996-676612	19960708
	US 5898026	A	19990427	US 1997-879378	19970620
	US 5958856	A	19990928	US 1997-919793	19970829
	US 5958852	A	19990928	US 1998-97503	19980615
PRAI	US 1989-411280	A1	19890922		
	US 1991-726597	B1	19910708		
	US 1993-96501	B2	19930903		
	US 1994-334107	A2	19941104		
	US 1996-611231	B2	19960306		
	US 1996-611924	B2	19960306		
	US 1996-612633	B2	19960306		

OS MARPAT 125:118067

AB A liquid detergent composition which is in liquid crystal form comprises a synthetic organic surface active agent, as the detergent component, which preferably includes  $\geq 1$  nonionic detergents of the ethoxylated higher fatty alc. type, and a lesser proportion of anionic or cationic surfactant, such as sodium dialkyl sulfosuccinate or dicoco di-Me ammonium chloride, a cosurfactant, such as tripropylene glycol Bu ether, a solvent for the soil, such as an isoparaffin of 9-11 carbon atoms or Me cocoate (ester of Me alc. and coco acids) and water, with the water usually being the major component. Such compns. are useful for cold or room temperature **cleaning** of lipophilic soils, such as animal fats, from hard surfaces and from **fabrics**, and may be used as pre-**treatments** to loosen such soils from substrates to facilitate easier **cleaning** of dishes and laundry with conventional or the invented detergent compns. The invention also relates to concentrated versions of the compns., which are not in liquid crystal state but which upon dilution with water are converted to such state. Also within the invention are processes for pre-treating and **cleaning** materials soiled with lipophilic soils, using the invented liquid crystal detergent compns. Addnl. processes of the invention are those in which liquid crystal detergent compns. are made by diluting concentrated compns. with water, and

those

in which lipophilic materials convert liquid crystal detergent compns. to

microemulsion form, which latter processes occur during pre-spotting and cleaning applications when the liquid crystal detergent composition contacts the oily soil on surfaces being treated. A composition contained Dobanol 91/5 9.88, Dobanol 91/2.5 2.47, tripropylene glycol n-Bu ether 7.00, Aerosol OT100 0.65, water 75.00, and Isopar H 5.00 parts.

IC ICM C11D009-32  
ICS C11D009-22; C11D017-08  
INCL 252012100  
CC 46-3 (Surface Active Agents and Detergents)  
Section cross-reference(s): 75  
ST liq crystal detergent compn; dishwashing laundry liq crystal detergent  
IT Liquid crystals  
(liquid-crystal detergent compns. for dishes and laundry)  
IT Alcohols, uses  
RL: TEM (Technical or engineered material use); USES (Uses)  
(C12-15, ethoxylated, liquid-crystal detergent compns. for dishes and laundry)  
IT Alcohols, uses  
RL: TEM (Technical or engineered material use); USES (Uses)  
(C9-11, ethoxylated, liquid-crystal detergent compns. for dishes and laundry)  
IT Alkanes, uses  
RL: TEM (Technical or engineered material use); USES (Uses)  
(C9-12-iso-, liquid-crystal detergent compns. for dishes and laundry)  
IT Detergents  
(dishwashing, liquid-crystal detergent compns. for dishes and laundry)  
IT Detergents  
(laundry, liquid-crystal detergent compns. for dishes and laundry)  
IT 577-11-7, Aerosol OT100 25322-68-3D, C9-11 fatty alc. ether  
35884-42-5, Dipropylene glycol butyl ether 55934-93-5,  
Tripropylene glycol n-butyl ether  
RL: TEM (Technical or engineered material use); USES (Uses)  
(liquid-crystal detergent compns. for dishes and laundry)  
IT 35884-42-5, Dipropylene glycol butyl ether  
RL: TEM (Technical or engineered material use); USES (Uses)  
(liquid-crystal detergent compns. for dishes and laundry)  
RN 35884-42-5 HCAPLUS  
CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)

n-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

L40 ANSWER 44 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN  
AN 1996:379877 HCAPLUS  
DN 125:36368  
TI Nonaqueous bleach-containing liquid detergent compositions  
IN Kong-Chan, Josephine Ling; Hunter, Kathleen Brenner  
PA Procter and Gamble Company, USA  
SO PCT Int. Appl., 28 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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KATHLEEN FULLER EIC 1700 REMSON 4B28 571/272-2505

PI	WO 9610073	A1	19960404	WO 1995-US11257	19950908
	W: AU, BR, CA, CN, JP, KR, MX, VN				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	CA 2199817	AA	19960404	CA 1995-2199817	19950908
	CA 2199817	C	20000725		
	AU 9534642	A1	19960419	AU 1995-34642	19950908
	EP 783563	A1	19970716	EP 1995-931068	19950908
	EP 783563	B1	20000126		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
	CN 1166856	A	19971203	CN 1995-196443	19950908
	BR 9509082	A	19980623	BR 1995-9082	19950908
	JP 10506931	T2	19980707	JP 1995-511779	19950908
	US 5872092	A	19990216	US 1997-878458	19970618
PRAI	US 1994-313522	A	19940926		
	WO 1995-US11257	W	19950908		

OS MARPAT 125:36368

AB The title laundry detergent compns., in the form of a suspension of particulate material, comprise a peroxygen bleaching agent (e.g., sodium perborate monohydrate) 2-30, an alkyl sulfate anionic surfactant (e.g., sodium lauryl sulfate) 10-40, an alc. ethoxylate nonionic surfactant (e.g., Neodol 1-5) 1-60, and a nonaq. low-polarity organic solvent (e.g., dipropylene glycol monobutyl ether) 1-60%. The compns. provide especially desirable **cleaning** and bleaching of **fabrics** laundered therewith and also exhibit especially desirable chemical and phase stability.

IC ICM C11D017-00

ICS C11D003-39

CC 46-6 (Surface Active Agents and Detergents)

ST nonaq bleach contg liq detergent; sodium perborate monohydrate liq detergent; lauryl sodium sulfate liq detergent; anionic surfactant liq detergent; nonionic surfactant liq detergent

IT Bleaching agents

Fluorescent brighteners

(nonaq. bleach-containing liquid detergent compns.)

IT Peroxides, uses

RL: TEM (Technical or engineered material use); USES (Uses)

(nonaq. bleach-containing liquid detergent compns.)

IT Alcohols, uses

RL: TEM (Technical or engineered material use); USES (Uses)

(C12-13, ethoxylated, nonionic surfactants, Neodol 23-9; nonaq. bleach-containing liquid detergent compns.)

IT Surfactants

(anionic, nonaq. bleach-containing liquid detergent compns.)

IT Alcohols, uses

RL: TEM (Technical or engineered material use); USES (Uses)

(ethoxylated, nonaq. bleach-containing liquid detergent compns.)

IT Detergents

(laundry, nonaq. bleach-containing liquid detergent compns.)

IT Surfactants

(nonionic, nonaq. bleach-containing liquid detergent compns.)

IT 106392-12-5, Pluronic

RL: MOA (Modifier or additive use); USES (Uses)

(Pluronic; nonaq. bleach-containing liquid detergent compns.)

IT 151-21-3, Sodium lauryl sulfate, uses

RL: TEM (Technical or engineered material use); USES (Uses)

(anionic surfactants; nonaq. bleach-containing liquid detergent compns.)

IT 10332-33-9, Sodium perborate monohydrate

RL: TEM (Technical or engineered material use); USES (Uses)

(bleaching agents; nonaq. bleach-containing liquid detergent compns.)

IT 16090-02-1, Tinopal AMS

RL: TEM (Technical or engineered material use); USES (Uses)  
 (fluorescent whitening agents, Tinopal AMS; nonaq. bleach-containing liquid detergent compns.)

IT 35884-42-5, Dipropylene glycol monobutyl ether  
 RL: MSC (Miscellaneous)  
 (low-polarity organic solvent; nonaq. bleach-containing liquid detergent compns.)

IT 34398-01-1, Neodol 1-5  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (nonionic surfactants, Neodol 1-5; nonaq. bleach-containing liquid detergent compns.)

IT 35884-42-5, Dipropylene glycol monobutyl ether  
 RL: MSC (Miscellaneous)  
 (low-polarity organic solvent; nonaq. bleach-containing liquid detergent compns.)

RN 35884-42-5 HCAPLUS  
 CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)

n-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

L40 ANSWER 45 OF 45 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1991:473990 HCAPLUS

DN 115:73990

TI Liquid crystal detergent composition

IN Durbut, Patrick; Mondin, Myriam; Broze, Guy

PA Colgate-Palmolive Co., USA

SO Eur. Pat. Appl., 16 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 13

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 418986	A2	19910327	EP 1990-202510	19900921
	EP 418986	A3	19920108		
	EP 418986	B1	19961204		
	R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE				
	US 5035826	A	19910730	US 1989-411280	19890922
	ZA 9007442	A	19920527	ZA 1990-7442	19900918
	DD 295865	A5	19911114	DD 1990-344100	19900919
	CA 2025956	AA	19910323	CA 1990-2025956	19900921
	CA 2025956	C	20010821		
	AT 145936	E	19961215	AT 1990-202510	19900921
	ES 2097132	T3	19970401	ES 1990-202510	19900921
	KR 165853	B1	19981215	KR 1990-15029	19900921
	JP 03207799	A2	19910911	JP 1990-255033	19900925
PRAI	US 1989-411280	A	19890922		

OS MARPAT 115:73990

AB The title composition, useful for room-temperature pretreating and cleaning of materials (e.g., walls, floors, dishes, and textiles) soiled with lipophilic soil, comprises synthetic surfactants, a cosurfactant, a solvent for the soil, and water. The composition is in liquid-crystal form or is

converted to liquid-crystal form by dilution with water. The composition adheres to

soiled surfaces and spontaneously forms a microemulsion with good **cleaning** power upon contact with lipophilic soil. A composition containing Dobanol 91-5 9.88, Dobanol 91-2.5 2.47, tripropylene glycol Bu ether 7.00, Aerosol OT 100 0.65, H2O 75.00, and Isopar H 5.00% was used to remove lipophilic soils from tiles and **fabrics**.

IC ICM C11D001-83  
ICS C11D001-835; C11D003-20; C11D017-00  
CC 46-6 (Surface Active Agents and Detergents)  
Section cross-reference(s): 75  
ST liq crystal detergent compn; **cleaner** liq crystal microemulsion; emulsion microcleaner liq crystal; solvent **cleaner** liq crystal; glycol ether **cleaner** liq crystal; tripropylene glycol ether **cleaner**; laundry detergent liq crystal; dishwashing detergent liq crystal  
IT Liquid crystals  
(detergent compns., solvent-containing, for removing lipophilic soil)  
IT Detergents  
(**cleaning** compns., liquid, solvent-containing, liquid-crystalline, for removing lipophilic soil)  
IT Detergents  
(dishwashing, liquid, solvent-containing, liquid-crystalline, for removing lipophilic soil)  
IT Detergents  
(laundry, liquid, solvent-containing, liquid-crystalline, for removing lipophilic soil)  
IT 29387-86-8 **35884-42-5** 55934-93-5, Tripropylene glycol butyl ether  
RL: USES (Uses)  
(liquid-crystalline detergents containing, for removing lipophilic soil)  
IT **35884-42-5**  
RL: USES (Uses)  
(liquid-crystalline detergents containing, for removing lipophilic soil)  
RN 35884-42-5 HCAPLUS  
CN Propanol, 1(or 2)-(2-butoxymethylethoxy)- (9CI) (CA INDEX NAME)

n-BuO-CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-OH

2 ( D1-Me )

=>